

<110> King, Gordon E.
Meagher, Madeleine Joy
Xu, Jiangchun
Secrist, Heather

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF COLON CANCER

<130> 210121.547

<140> US

<141> 2001-07-31

<160> 1789

<170> FastSEO for Windows Version 4.0

 $\langle 210 \rangle$ 1

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

 $\langle 222 \rangle$ 544, $\bar{560}$, 627, 635 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$ $\langle 400 \rangle$ 1

ctctccacaaa	gtgtctgtgc	tgttgctggt	ctccaagcca	gtcttcattg	gtaggggtggg	60
gggtgaggac	acactttcgg	gctctgcagg	gaggccagaa	gtattctctc	ctccatcaat	120
agctttcttg	ttggaagga	gggaatcctt	tatttcagag	tcaataacaa	tcttaaggac	180
atctggctca	gaggctggtt	ctgcaagttg	tttttcattc	tcagaaaagt	catcgtcttc	240
caagtgc aag	aggaggggac	tgatagagtc	actctcccct	tgaacatcag	gcaactcttt	300
caaacacagtt	cccaagtgct	caacctggaa	agttgctctg	cttcaggag	gaaccttact	360
aataaaaagcc	cgccgagcat	cccctgggaa	ctctgtatcc	atagagctgg	gtagttcagc	420
caggccaaca	gagtcacat	ttagttgttg	attaagaaa	gcaatttcac	tgagcagtga	480
agtcagtgtc	tcatcagtat	catctctcat	ttccatgtta	ggtcagcagt	tcactggaat	540
caanactgct	tctctatatan	ctgatgttac	tttctcagt	tccatctcta	tgctttgaag	600
cccttgaaaa	ctttcatctt	ttatttntga	aaaangaaga	atcctttgaa	tttcac	656

 $\langle 210 \rangle \cdot 2$

<211> 373

<212> DNA

<213> Homo sapiens

 $\langle 400 \rangle$ 2

ctgtcccatg gggctcttat tgtaatctag accatcttgt tctagatggg cacttaagcc 60
ctgtttcttc atagctctgtt atgctgtcat ttggacctgg atgcttcttg tttcttccag 120

[illegible]

```
<210> 3
<211> 642
<212> DNA
<213> Homo sapiens
```

<400> 3							
gtgctgtgtg	taagtggaga	acttggggat	agaggaggaa	gctcctcgtg	gcccttccaa		60
ggtgaggcaa	aggcatctgg	acttgttcca	gccagccca	ccgggtgaca	tcaccgggca		120
gggaggggtg	ctggtggtgg	ttcatacgga	gtaagctgct	ctgcctgtgt	gagtggctcc		180
tgggccctaa	acaggcacct	ttaggccatg	ggtcactcac	cgtgagccat	caatgtgctc		240
tggctcgaca	tggtttctct	ctgtcttcta	gtctagacct	agtttttttg	ttctgttccc		300
cacgtatgga	tatagtagag	attgttgtct	gtgaaatttc	tctttttag	attttgagtt		360
ttcccttgta	gtgtaaagaa	tgatcacttt	ctgtaacaat	aacaagacca	ctttttaaga		420
tttatcctgt	ttgttctttg	ttgattgaaa	cataataatt	gttaaaattc	tctacagcct		480
tctttttctt	ccatagctaa	tcttcttctt	aatagttttt	gctttctgtt	ttgctgttgt		540
ncTTTTGcaa	agctttcccc	ctatagcctg	tacctgttat	caatataaaa	ataatctncc		600
tgtgggaatg	cttcattgac	ntgaatttct	cctttggana	aa			642

```
<210> 4
<211> 575
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 492  
<223> n = A,T,C or G
```

<400> 4							
ctggaagcca	gttcccagaa	gaccaaactg	catgccccaa	tgcgcaaggt	aattttattct		60
tattacttga	tgtcctaaag	cttcttttgag	atttgctata	aaatttccta	tgatggtaga		120
acgcaaagt	ccaacatgaa	attttttggc	aacattaggt	gaactgaatt	caaccacaat		180
cttcttctgg	ggaagtccag	agaaaagttc	actttttaat	ccatattttg	agccatcttc		240
aattacttgt	tgtagcactg	tctttgttaa	gagctctctg	tttattttga	aattttacagt		300
cctttgacca	gtactgattt	cactcaccac	tgtatcacat	cttagcttct	ctgctagtct		360
cttggtctga	acttgaaat	ctgggtcttg	atgggtcattg	tctttttcca	ataaagaatc		420
cacagaaagc	tgaaaaatcag	ctaccttctc	ttttttgggaa	attggaactg	cagatattga		480
tgtgatcaag	tnttctggtg	gaagattcaa	cactctggaa	agctggcaag	caatagcgcg		540
gcqaaaqccq	cacqccatgt	ccacctctac	gggaa				575

<210>	5
<211>	558
<212>	DNA

<213> Homo sapiens

<400> 5

```

caagaaaaag cggatggtgg ttctgctgc cctcaaggtc gtgcgtctga agcctacaag 60
aaagtttgcc tatctggggc gcctggctca cgaggttggc tggaagtacc aggcagtgac 120
agccaccctg gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca 180
gctcatgagg ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac 240
agaggtcctc aagaccacag gactcctggt ctgagcccaa taaagactgt taattcctca 300
tgcgttgctt gcccttcctc cattgttgcc ctggaatgta cgggaccagc gggcagcagc 360
agtccaggtg ccacaggcag ccctgggaca taggaagctt gggagcaagg aaagggctct 420
agtcactgcc tccgaagttt gcttgaaagc actcggagaa ttgtgcaggt gtcatttata 480
tatgaccaa taggaaagag caaccagtta ctatgagtga aaggagacca gaagactgat 540
tgggagggcc ctatcttg                                     558

```

<210> 6

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 24, 301, 306, 375, 430

<223> n = A,T,C or G

<400> 6

```

cctggcaggg aatgcaattc tcanagaaga caaagaccgc caaaagatgt atgccaccat 60
ctatgagctg aaagaagaca agagctacaa tgtcacctcc gtctgttta ggaaaaagaa 120
gtgtgactac tggatcagga cttttgttcc aggttgccag cccggcgagt tcacgtctgg 180
caacattaag agttaccctg gattaacgag ttacctcgtc cgagtgggtga gcaccaacta 240
caaccagcat gctatggtgt tcttcaagaa agtttctcaa aacagggagt cttcaagatc 300
nccctntacg ggagaaccaa ggagctgact tcggaactaa aggagaactt catccgcttc 360
tccaaatatc tgggnctccc tgaaaaccac atcgtcttcc ctgtcccaat cgaccagtgt 420
atcgaccggn tgagtgcaca ggtgcgggca g                                     451

```

<210> 7

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 293, 469

<223> n = A,T,C or G

<400> 7

```

gcatatttaa tgcacacatt tgaatgttac acataaataa ttttaacgat ggagtccaag 60
ttctggattt tacattagat ctgcatatat aagacacttg tgggtcaaatt tcaagattgg 120
taaagccagt ttcaagctgc ttatatattt agtacaggtt tcactattac aaatgtatga 180
tggttaaacta acaaactcat gaccttcaaa gatgtcttcg tcccacgcac acacatttgt 240
aattttgtgtc catttgctat ttcccttctt ctataatctt caaattatat agntatgcat 300
tgagttccct atgcatctca cccatctcct ttatctcagc cttctcatac tttgccattc 360
tcttctttct ggaaataacc agcacaacaa ttccagcaac aactgctatc accacaacca 420
caataacagg caataacagg agcttttaga ccctgcattg agaattcang tgctttttca 480
tcaacataat aaattaaagt ttgaccagga tccagatcca gttgttcccc atttactgtc 540

```

F07E20"00E03660

aggtccattt totta

555

<210> 8

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 51, 76, 96, 118, 124, 163, 172

<223> n = A,T,C or G

<400> 8

gtggagcagc tcctgtacga aagccctgag cggctactccc gctcagtgtc nctcatcacc 60
cagcacctca gcctgntgga gcaggctgac cacatnctct ttctggaagg aggcgctntc 120
cggnaaagggg gaacccacca gcagctcatg gaaaaaaagg ggngctactg gnccatgggtg 180
caggctcctg cagatgctcc aaaatgaaag ccttctcaga cctgcgcact ccatctccct 240
cccttttctt ctctctgttg tggagaacca cagagta 277

<210> 9

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 431, 446, 464

<223> n = A,T,C or G

<400> 9

cctgcatgga ttccatgttc atgagtttgg agataataca gcaggctgta ccagtgcagg 60
tcctcacttt aatcctctat ccagaaaaca cggatgggcca aaggatgaag agaggcatgt 120
tggagacttg ggcaatgtga ctgctgacaa agatgggtgtg gccgatgtgt ctattgaaga 180
ttctgtgatc tcaactctcag gagaccattg catcattggc cgcacactgg tgggccatga 240
aaaagcagat gacttgggca aaggtggaaa tgaagaaagt acaaagacag gaaacgctgg 300
aagtcgtttg gcttgtggtg taattgggat ccgccaata aacattccct tggatgtagt 360
ctgaggcccc ttaactcadc tgttatcctg ctagctgtag aaatgtatcc tgataaacat 420
taaacacttg naatcttaaa agtgggnattg tgtgactttt tcanaagttg cttt 474

<210> 10

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 499

<223> n = A,T,C or G

<400> 10

cctataccat tcaaggacag tatgccattc cacagccaga tttgaccaag ctgcaccagt 60
tggcaatgca acagtctcat ttcccatga cgcattggca caccggattc agtggcattg 120
aatccagctc tccagagggtg aaaggctatt gggcagggtt ggatgcatct gctcagacta 180
cttctcatga actcaccatt ccaaacgatt tgattggctg cataatcggg cgtcaaaggcg 240

09:03:00-07:10
T0T520-00000000

```
<210> 11
<211> 606
<212> DNA
<213> Homo sapiens
```

<400> 11						
ctgtctccca	cccttgctgt	gttgagtctg	cgagcctggg	atatgctaac	tcggggggtga	60
tacaacctgg	aagaagaatg	tgaggctctc	ctggaaagat	gcaaaaacca	tctcagatcc	120
aaggggccaa	gatcacaagg	tcttgctgct	acctgagggg	tctgaagctt	tgagggcagg	180
ggctggggag	tcacaatcct	gtgaggcagg	gagaggggaag	agtcacaaac	ccaactcagc	240
gctattcttt	agccctaggc	gctttcactc	ctcagtgccc	tagaagtcac	cagtaggtgt	300
caactgggca	gacaagggac	aggaagacag	ggatggccca	gggcttttta	cccgtttggg	360
tttangcccg	tttctccatt	aagggatgca	gaggcagggg	tggagtgagt	gaatgaatga	420
gtcacatctc	canaacagca	ggaaggaaca	gcctctgctg	gcaatgacag	ttccccagat	480
gagatccctg	gggctctgaa	aggggaangc	aagattcccc	cccccaaatg	ccccgggatt	540
agggggcana	tctgaaggga	attcacaaaag	gggcagccac	agggagtgtc	ntaccttcgg	600
gccqgc						606

```
<210> 12
<211> 549
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G
```

<400> 12						
aaaaaagaaa	aagtgtttat	tataggcaac	aacnccaatg	ggaactggta	tttgtctaca	60
ccaaggaggat	gcaatttttc	atcttccaat	ggcggcctca	accttgaggc	gaatccactg	120
gcgaaagatg	cctttctagg	aagcagagct	ccctgactgg	gctaagatag	ttcagattga	180
tcttaggtca	atggtaagac	ctatgtagtt	catgaagtct	tggcttttcg	gcgctgggtc	240
gccccaaagca	gaatggagac	ggatagagtg	gtggctccca	gaatcccga	gaacataagc	300
agtgagaacg	agccctggcg	catacacttg	tatccatgga	aaccatcagc	acaaacacac	360
tgcaaaaagac	ctggaccatc	aggtacacaa	gatccattct	caggacacat	ttctgggtcc	420
ccagtgttat	tgcaaagggt	cttttgcct	tgacagattt	ggttgtctat	ataagagggtg	480
atagattttc	agcattaatt	cctccaggac	agttgacatg	ttgtggcagt	atcagagtct	540
ggaqctgaq						549

<210>	13
<211>	723
<212>	DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 594, 603, 620, 665, 708

<223> n = A,T,C or G

<400> 13

```
ctgggagcct ttgccatggt acttaggtag ggtgtgtgcc cccagattta accattccat 60
aatcatgtta gagttacttc tataaagtga acagatttta ttaatcacgg cttttggtga 120
atttgtttaa ggtaattat ggtagcaa atttgggccta aacattattt ttctgtatcc 180
cgctgtaatt cccaaaactc tcattattct ctaactatta cacatgggca tattctgatg 240
tttctcatcc ttggccagaa gactacctta catccatcgt aattgttctc taggaaaaga 300
gaactttttt caaaattcaa aatacttctt aaggatggca cagtaccata taactggagt 360
aataaaacat gagcttacat tcttacaata actaaaccac ttaaaatgat caaggcacta 420
atgttttggt ctgaaaagct gtgtacttta tagacatttt cagacatttt tggaaatttc 480
cattaaaggt ggaaaatcta tttttttcct cttttgcagt gtcttagttt gaatgaaaca 540
cttcgaagtt ctagaaattc tagaaagagc cttaatgtat ttgatgtatt ctngataaaa 600
gangtactaa tagtatccan cacagatttg cttttctttg ctagcacaat gtggtgttgc 660
tgcanaatat tctttttata ttctgtggaa aaaataaagg aaattcanaa tggttacctg 720
ccc 723
```

<210> 14

<211> 637

<212> DNA

<213> Homo sapiens

<400> 14

```
aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaaatgc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
attagatctg catatataag acacttggtg tcaaatttca agattggtaa agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttgtgtccat 360
ttgctatttc ctttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctcacc atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
aataaccagc acaacaattc cagcaacaac tgctatcacc acaaccacaa taacagcaat 540
aacaccggct tttagacct gcattgagaa ttcaggtgct ttttcatcaa cataataaat 600
taaagtttga ccaggatcca gatccagttg tccccat 637
```

<210> 15

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 33, 39

<223> n = A,T,C or G

<400> 15

```
ggtactctca gtgtgttctg gtcactttgt ggnttagtng tagaagcagg tgtgtctctt 60
gcctctgctt gcctcttact gcacactcag caccaggac tggaaatcacc gactactgaa 120
tctctacat gtattgctgc tacttcaagc tctccactt gaaaccttat gattttccca 180
```

T07E00000000

```
<210> 16
<211> 592
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G
```

```
<210> 17
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<210> 18
<211> 104
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature  
<222> 54, 74, 88, 94  
<223> n = A,T,C or G
```

```
<210> 19
<211> 501
<212> DNA
<213> Homo sapiens
```

<400>	19						
cctgggcttg	aaatttgctg	agctggtgta	taccggtttc	tggcacagcc	ctgagtgtga	60	
atttgtccgc	cactgcatcg	ccaagtccca	ggagcgagtg	gaagggaaag	tgcaggtgtc	120	
cgtcctcaag	ggccagggtg	acatcctcgg	cggggagtcc	ccactgtctc	tctacaatga	180	
ggagctggtg	agcatgaacg	tgcagggtga	ttatgagcca	actgatgcc	ccgggttcac	240	
caacatcaat	tccctcaggc	tgaaggaata	tcatcgtctc	cagagcaagg	tcactgccaa	300	
atagaccctg	gtacaatgag	gagctggggc	ctcctcaatt	tgcagatccc	ccaagtacag	360	
gcgctaattg	ttgtgataat	ttgtaattgt	gacttgttct	ccccggctgg	cagcgtagtg	420	
gggctgccan	ggccccagct	ttgttccctg	gtccccctga	agcctgcaaa	cgttgtcatc	480	
gaagggaaag	gtggggggca	g				501	

```
<400> 20.
ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60
ccattgcatt cagcccgctc tcccagtcac cacagtcctgg tttcttgata tcctgaagga 120
agattcgggc acctcgttgg ttctgcagct tcatcagttt ctacagcatgt tccctctcct 180
catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tcgcgggtcaa 240
agtagtaaga catgggcagg taaacgtagg aggcgtagag ctccagggtg atctggcggt 300
tgatggcggc ctctgagtcg tgggtggtagt tctggcgcac ctgcgaggtg gacgcggtcg 360
tc 362
```

<400>	21						
ctgatctacg	agtctgccat	cacctgtgag	tacctggatg	aagcataccc	agggaagaag	60	
ctgttgccgg	atgaccacct	tgagaaagct	tgccagaaga	tgatcttaga	gttgttttct	120	
aagtgccat	ccttggtagg	aagctttatt	agaagccaaa	ataaagaaga	ctatgctggc	180	
ctaaaagagg	aatttcgtaa	agaatttacc	aagctagagg	aggttctgac	taataagaag	240	
acgaccttct	ttggtggcaa	ttctatctct	atgattgatt	acctcatctg	gccctggttt	300	
gaacggctgg	aagcaatgaa	gttaaatgag	tgtgtagacc	acactccaaa	actgaaactg	360	
tggtatggcag	ccatgaagga	agatcccaca	gtctcagccc	tgcttactag	tgagaaagac	420	
tggcaagggt	tcctagagct	ctacttacag	aacagccctg	agg		463	

```
<220>
<221> misc_feature
<222> 598
<223> n = A,T,C or G
```

```
<210> 23
<211> 722
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 638, 663  
<223> n = A, T, C or G
```

```
<210> 24
<211> 556
<212> DNA
<213> Homo sapiens
```

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 24
 aaaaagcctc ttctgatga tcccaactca gaggtcngtg tttaccaaac accttggtca 60
 taataatgtc attagtttct ccatttttat tttctgaact gtacattcac aacttatgtt 120
 tctttgagat taatagatat tgggggaaaa acgccttttt aggaaaatta tagtgaaaat 180
 ttgacagttg attggcataa tttcttggtt gaatgctgcc tccattatat aggtccttcc 240
 aggaactcaa acactgtaag tgaaatatgg gagtatagtt tttattattt cttcttttcc 300
 ttttgttttc ataataaat gcagtttggt caggaaatca gcacaaagcc tgatagtact 360
 ttactaaaat gactgcattc tttggattcc ttcagtctat ggttcaagtc actaaagatt 420
 ctttttggtt gagtccttat gagaaacagt agtatgaatc ttgacgggtt ctgcccgcc 480
 taatggcaga gctctctgac ttgggtgtat gctgccaggc tgggtacttt catactttgt 540
 tttcttggtt tgcttt 556

<210> 25
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 301
 <223> n = A,T,C or G

<400> 25
 aaagttctct ccactcttca agcctcgacc accagatacc accactttgg cacctgttag 60
 ctctgggtcga tcaacttttg ttaatttctg gtcaagccac tctgatattt ccactggtga 120
 agtacttgat gccttttctg aactggcact accgccactt gttgctgcag catcaaagga 180
 tgttccacgg acagaaaaca ctttcaactt ctcatcacac ttcactgtac atagagcatt 240
 tcttgcataa atagtttctc caaatgtgtc aggtgacttg attgcaatga tgtcagaaat 300
 nggggcaacc tcaagtttgg ctgctactct gggcaaaaagg ttctttccga aggcagatgc 360
 tccagcacag atgtgtgtgt aattgaactg cttctgagtt gccaaaatca atggtgtcag 420
 ttctcttggga agtagg 436

<210> 26
 <211> 709
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 588, 609, 669, 687
 <223> n = A,T,C or G

<400> 26
 ctgtaaggaa cttcaccgg atgaaattga caccgactnt gcctacattc ttttctatga 60
 gcagcagggg atagactatg cacaatttct gccaaagact gatggcaaaa agatggcaga 120
 cacaagcagt atggatgaag actttgagtc tgattacaaa aagtactgtg tgttacagta 180
 aagctaccac tctggctgct agacagcttg gcggtgaggg agatgactcc ttgtagctga 240
 ctttggtcaa aagcgtcact gaaaggcaag ctaaatgtag ttattttatc ctgtggccct 300
 gaagcacaaa ataaaaattc taattaaaat agttaacttt aagagtagta atcattttat 360


```

tttgaagtct catacaagct ctccgataga gaactttcag gcagatccca ccattagcct 420
gtaaacaaaa ggtttggcac cagccacctg ggaccaata agaattcaat tgtgcttgtc 480
cagatatgaa caaatatgta gtgagtatag agtttaccat aatcataaca aatattaaag 540
atttccttgg agtcaaagta aaaaacaaac aattataatg ttgtctangg acgacatgat 600
atgctcctnc ttttccctga agttttattc atttatattga caagatggag aaagcaagat 660
cacgaaggng tgccaatgat cttaagnatg gccaaaggatt ttcatttat 709

```

```

<210> 27
<211> 689
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 605
<223> n = A,T,C or G

```

```

<400> 27
cggaagtgtg ggttacgggtc tgagacatca ccgccaaagct gggcatcggg gagatggccg 60
agactgacct caagaccgtg caggacctca cctcgggtggt gcagacactc ctgcagcaga 120
tgcaagataa atttcagacc atgtctgacc agatcattgg gagaattgat gatatgagta 180
gtcgcatgtg tgatctggaa aagaatatcg cggacctcat gacacaggct ggggtggaag 240
aactggaaag tgaaaacaag atacctgccg cgcaaaagag ttgaaggttg ctaataattt 300
atactggaat ctggcatttt tccaagccaa gagaagatcg aatggctttt tgcagctaac 360
tactatgtgt agacaggttt tatattataa agtatgcatt cttatcacct agtatatagt 420
tagttttagt agtgatttcc ccccagtttc ttgaacatgg tatcttcaca tcttggacct 480
tggtcagttg tgctattcat tattaaacac taaaactttg gcggttcttg cataacattg 540
tcagattttt tagtgatttt ctgtgaagtc attttttttc ttgtcattcc tttttagtag 600
gttgntgttt ggataaaagt tgatgtgtga ttttttatta acaaatagta acccttcaat 660
tatagttagt ctttgggtgaa ataagatgt 689

```

```

<210> 28
<211> 619
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 578, 595
<223> n = A,T,C or G

```

```

<400> 28
ccagtggacc agggagttgg gggctgcaag cagggctgct gcggcgagag agctgctgaa 60
gtcgggtggct cggggcgagg tgccgcgcc aggggtctcc cgccattatt tcctcaggca 120
tgtggcgctc tagtagaatt aatcaaaagc aagaaaatgg ctggaagagc tgtcttgttg 180
gcaggacctc ctggaactgg caagacagct ctggctctgg ctattgctca ggagctgggt 240
agtaagggtc cttctgccc aatgggtggg agtgaagttt actcaactga gatcaagaag 300
acagagggtg tgatggagaa ctccgcagg gccattgggc tgcgaataaa ggagaccaag 360
gaagtttatg aaggtgaagt cacagagcta actcctgtg aggcagagaa tcccatggga 420
ggatatggca aaaccattag ccatgtgatc ataggactca aaacagccaa aggaaccaa 480
cagttgaaac tggacccag catttttgaa agtttgcaga aagagcgagt agaagctgga 540
gatgtgattt acattgaaag ccaacagtgg gggccgtnaa agaaggcaag ggccanggtg 600
gaatacccta tgcccacca 619

```

<210> 29
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 29
 cctgaatgct cagtgcctta tttggctttc aggggtcttg cgggtgcacc caggctagag 60
 tacagtgggtg caatcatagc tcaactgctgc ctcaaactcc tagactcaag cgatcctcct 120
 gcttcagcct cccgagtagc tgggactaca ggtagatgat gggctccacg ggaacagagc 180
 aaacgttcgc tcctgctcct acacgggtgtt tcctctaaac ctgagggtca gccgacttgt 240
 catcacttaa aacccaattc agagcggggg gcaactgccag tgaatagttc atcaccgact 300
 cagtttcccc atgtgtatgc tgtggtattg gatcagcaac gagataagaa gatctctccc 360
 atttccaagc gtctatgatg attctgaggc acaagggtcac atttgacagt actaggaaac 420
 ccaggaaaca agaagcaagg atgacaaagg ctgtgtctgc ctgggcagac gatctatttg 480
 gacaagataa tagaccacag catggacatg ctctccaaga aagatgcctt gacag 535

<210> 30
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345, 415, 416
 <223> n = A,T,C or G

<400> 30
 cctgcagcct acctgaccat ctcttttagct gtcaccaaga aaataaacc cactgtctct 60
 ctagcttggc ccttgtcttt cctttgcccc tgccatagca tgttcattag gggattcctt 120
 cctccccctt atctcacagg ggaagggaga ggaagaggtt gttctccac tggaggggt 180
 tctgccttct gaggtgacat ccaggaagct gtcccatc ccttctcctt tagatgctag 240
 aaacacattt tgattctgat catgggggtg gggagagagg aaaggagga ggggagaagc 300
 ccagcagaag ctgagccagg cagaggggaa agaagctgat atgangaagg gtctgacagg 360
 ccacagcctt tgcagccgga gggctttccc acactcaaga gaggggcctt acagnnctc 420
 tgacaccctt ccccttccc ctgctcctt ttgttg 456

<210> 31
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 31
 ttggacccaa gagaagactg cagcagacta cacagtactt cttgtcaaaa tgattctcct 60
 tcaagggtttt caaaaccttt agcaciaaaga gagcaaaacc ttccagcctt gcctgcttgg 120
 tgtccagtta aaactcagtg tactgccaga ttctgtctaaa tgtctgtcat gtccagattt 180
 actttgcttc tgttactgcc agagttacta gagatatcat aataggataa gaagaccctc 240
 atatgacctg cacagctcat tttccttctg aaagaaacta ctacctagga gaatctaagc 300
 tatagcaggg atgatttatg caaatttgaa ctagcttctt tggtcacaaat tcagttcctc 360
 ccaaccaacc agtcttcaact tcaagagggc cacactgcaa cctcagctta acatgaataa 420
 caaagactgg ctgaggagca gggcttgccc aggcattggtg gatcaccgga ggtcagtagt 480
 tcaagaccag cctgg 495

<210> 32
 <211> 648

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434, 604, 622
<223> n = A,T,C or G

<400> 32
tggcagccaa aagatttttc ttagtgcttt ggagacattg cataggtgta aaattaagat 60
accagaactt cattctgttc ttgttgaagc tgttggtgtg gtgattcatg agcagtaagc 120
tggagttaga gtggaagaag ggtttaccaa aattcttcct acagactagt tgcttacagg 180
gtttctttga gaggcctaaa aatttcaaaa gtattattta agccactcta accctgcatg 240
aaaaattgga gttagaaata ctgatttctg agaccacgta taccagtga aattagcttc 300
tgagtaaatt tctaatttat gccctgcctt atttagcctc gctatatgta acacatggat 360
tattttttcc ctctagtttt taactatata ctagattaaa accagcatat gctaagaatg 420
tttttacatt ctgnttcctc ctgtgatctt tctgaaccaa taataaacag tcaactgtga 480
tgcttttttag tatgaacaat gataagtttt ctaaaatctg aaaatcaata cctgagtatg 540
tgatgccggc aatgcattct tctagataag cactaaacca aagtatggac cctccattta 600
ttgnttttaa gatttaccce cncgcgggcg ggccgcttag gggccgaa 648

<210> 33
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

<400> 33
aaacatgagt agatctatga cttctcaaag ccgggtcang aatgtccata aaatgctagg 60
cattcctatt tccaatattt tgatggttgg aaattatgct tcagatttgg aactggaccc 120
catgaaggat attctcatcc tctctgcact gaggcagatg ctgcccggctg cagatgattt 180
tttagaagat ttgcctcttg aggaaactgg tgcaattgag agagcgttac agccctgcat 240
ttgagataag ttgccttgat tctgacattt ggcccagcct gtactggtgt gccgcaatga 300
gagtcaatct ctattgacag cctgcttcag attttgcttt tgttcgtttt gccttctgtc 360
cttgaacag tcatatctca agttcaaagg ccaaaacctg agaagcgggtg ggctaaaaaa 420
agggcctact gcaaaccacc cctccatatt tccgtacat ttacaattca gtttctgtga 480
catcttttt 489

<210> 34
<211> 501
<212> DNA
<213> Homo sapiens

<400> 34
ccagagtatt cacagagagc caaatctgtc actggcaaac cgcttttact acctctaacc 60
tgcagaagac gatgcagccg cttttctttt tgaaatgact ttgggatttt ttttaagcttt 120
tatttacttt ttttttaact gttatctttc tggatgaaac ttgggaaggg gattaggaga 180
tctagcattt tatttctagc attgctattc accggcttcc ttattttata tgtaaaaatt 240
aagattttat attttatctt cttgtttctc atagatattt tgtgagcatt tttttgttta 300
ttttgaagaa atgtggataa gatacttggg agtataaaac agactctctg agagtatttg 360

```
<220>  
<221> misc feature
```

<223> n = A, T, C or G

aaatcaacttc	tatcttctgt	acttaagaac	tcaagtatag	aaataaactg	tgggctgaag	60
taacattgta	acctgctccc	aacatgactg	catagggtgc	taagggttaag	tgtgaagatt	120
actgtgagga	ctcaagttac	ttgactaatc	aatcccattt	gaattttcaat	ccaagcagcg	180
tattttacac	acacctgaag	gaaatatctt	cagtgtgttc	atgtgtgtgt	ctatgtgcat	240
gtatgtgtag	gggataagggtg	taattagggg	agggtgacc	gaacaacatt	gataagtaca	300
tgctagaagt	ctgctgttgt	tggtaacaca	gaaacataca	cagtcttcat	attcaaagtc	360
ttcaagggga	tgtcttctgt	aatttccgcg	gtttgggtct	cattcagaaa	cagcttttagc	420
ttcctgctcc	gaaggccaaa	caccttggtc	gcttcataca	gaagaccttg	gtgggtgagt	480
ccattctgcc	caagtgggtt	ttcaagcagg	agagtgccca	ctgtcccat	taaacactct	540
tgtggctctg	cattcaggag	ctgtaggttg	gaccttttaa	agctgaagag	tgn	593

<211> 649

<212> DNA

<213> Homo sapiens

<221> misc feature

 $\langle 222 \rangle$ 617, $\bar{6}36$ $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

ccagtatcgt	tttggtaactt	ttgtacctct	atctgactcc	atgccctgc	aagtgtaaaa	60
ccaagagaca	gaaaaatatg	ctacacccaaa	gcaatgccca	ttcatcgatt	ctcagtcctg	120
gccctgctag	tgatgcctcc	gctgatgaac	ggaaggcagg	tgcaggtaaa	agagtgggtg	180
ttttggaacc	cctgaaggat	gctgcagcag	ggcagaacgg	gaaagtcagg	ctctttccca	240
gcgaggcagt	gatagctgag	ggcatcctaa	agtccacgag	ggggaaatct	gactcagatt	300
cagtcaattc	agtgttttct	gacacacctt	ttgtggcgctc	cacttaattt	gtgcctatat	360
ttgtatgatg	tcataattta	atctgttcat	atttaacttt	gtgtgtggtc	tgcaaaataa	420
acaggcaggc	agaaattgtg	ttgttttgtt	ctttgaaata	caaccaaatt	ctcttaaaat	480
gattggttagg	aaatgaggta	aagtaacttca	gttcctcaat	gagccagaga	aagatggggg	540
tgttttccaa	agtttaagtt	ctagatcaca	atatcttagc	tattagcact	attggttaatt	600
tcagagtagg	cccaaangtg	atatgactcc	cattgncccc	tttattttta		649

<211> 312

<212> DNA

<213> Homo sapiens

ctgaagaaaa	agcagtcatc	gattttaagt	ccaatgggca	catttatgac	aatcggatag	60
ttctgaatgg	catcgacctc	aaagcatttc	ttgatagtct	accagatgtg	aaaattgtca	120
agatgaagtg	tctgatgga	ggagacaatg	cagatagcag	taacacagct	cttaatatgc	180
ctgttatttc	tatgaatact	attgcagaag	cagttattga	aatgattaac	cgaggacaga	240
ttcaaatacc	aattaatgga	ttcagtatta	gcaatggact	ggcaactact	cagatcaaca	300
ataaggctgc	aa					312

<211> 386

<212> DNA

$\langle 220 \rangle$

 $\langle 222 \rangle$ 34, $\bar{40}$

<400> 40

<210> 41

<212> DNA

 $\langle 220 \rangle$ $\langle 222 \rangle$ 95, $\bar{1}19$, 126

<400> 41

<210> 42

<211> 325

<212> DNA

<400> 42

<210> 43

<211> 456

<212> DNA

 $\langle 220 \rangle$

<222> 304, ⁻306, 326, 329, 357, 370, 434, 436

$\langle 223 \rangle$ n = A, T, C or G

```
<210> 44
<211> 301
<212> DNA
<213> Homo sapiens
```

```
<210> 45
<211> 706
<212> DNA
<213> Homo sapiens
```

<400> 45						
aaaaaataaa	tgattatgat	gtaattatta	cttnncagng	tgttttgcaa	taacttcaac	60
ctgttaagag	atacaaagaa	ctatatataa	ctgggaacta	caataacgta	cacagaaccc	120
tcttcaaaga	aattaaatat	attagatggt	aaaatgtggt	agaaagatgc	agctttccca	180
aagtagtaaa	gtactgcaca	tatgggtttt	gtggcagtc	ttggaaatat	cctaggtaga	240
acttaatgta	gaaataaaaa	ggctaccaca	tattttcaat	ccaagtcatt	tttacaagaa	300
aaaaaaaagt	acacaaaata	atgcacttta	agttggtagc	atacacaagg	ttatttttta	360
gcctaacata	gacaggccaa	atcattgaaa	taaaaaaaat	atagaaaaac	ataaaagccc	420
attaacttct	gaattttggg	aaagaaacaa	gaaagagccc	aaagttttca	gataggcaca	480
cataatttag	attagaatat	aaaatgggct	ttaagcccta	taaataattgt	tttccaagaa	540
aataagtttt	gaaagtgcga	aatgacaact	caaaaaggtc	cgctttccac	ctcatgcagg	600
caaaaggacat	ttaaaagcac	atccaactaa	atcaaaaaag	ggaggagatta	ggaaatcaca	660
ctaqtttcatc	cttcattatc	agggctgggc	ttcaaaccct	tgaatg		706

<400> 46

```
<210> 47
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<210> 48
<211> 203
<212> DNA
<213> Homo sapiens
```

<400>	48						
ggataaatatt	catttancct	tctgancttt	ctgggcanac	ttgggtgacct	tnccagctcc	60	
atcagccttc	ttgtccactg	ctttgatgac	acccaccnca	actgtctgtc	tcatatcacn	120	
aacancacct	ccgcccgaac	cacactaang	gcgaattctn	canatatcca	tcacactggc	180	
qnccctcca	ccatgcactc	aga				203	

```
<220>
<221> misc_feature
<222> 3, 9, 33, 36, 42
<223> n = A,T,C or G
```

<210> 50


```
<220>  
<221> misc_feature  
<222> 2  
<223> n = A,T,C or G
```

```
<210> 51
<211> 315
<212> DNA
<213> Homo sapiens
```

```
<400> 51
ntttgtccgg caccctgccc acagggtgag ctcagcccca ggccctttca ggcattctaga 60
cactcccata gcctgtcggg ctggggcaag gagatcccag gtcacacata ctccttgga 120
gagttggact tagggtaaga gcggggtgca cggtagccag ccttgctctc attcccagga 180
caggaacagg agagcagtg cacctccagg atgactaggg cagaccctgc ccagccaata 240
aagatggcag ggccaaactc atacttaatg ttggtaggga tcaaagggtt ataaaagtct 300
gtgacaatct gatgg                                     315
```

```
<210> 52
<211> 358
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 35  
<223> n = A,T,C or G
```

<400> 52
tgcatacaca gacttcaact acatgattac ttctntgccc attctttctt ttcttttctt 60
tcccgaataa cctctttcag atacggttca aggtagaat tttcctcttc atatttggtc 120

cactgctctt taggcaagat ctgatgcttc aagttcaggt ccagtgcctt cttaatgcga 180
 aacatcctgt cattataaag gttctcagga agtcttctta tggcttcttt tacatcttca 240
 tcctcgata ttgtatcatc tcgcattaac cccagtttat tgaatcctgc agcattgtaa 300
 taccattttc gaataccatc cagccacttg cctgatgctg aaacggcctg cttaccag 358

<210> 53

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 41

<223> n = A,T,C or G

<400> 53

ccaagagatc agcacaacct ttgcaggctg acttgntaag nctgacagtg acaaacttgt 60
 gagcttactg cagtcagtca cagaggctgt tctttttcac acaccccttc atgcccggct 120
 ttccccatat ccacatgcag agggcgagct cataaaacta caggggaagcg tgaaatgatg 180
 gctttggtag ctgtttactg ggttaaccca ctgtgacact gtccttttca cgtgatgtgg 240
 aaacctactt ctgtcctcca aacctgaaa tgtgtcatct agactgcaga gtacttgagt 300
 gctttgcctc ccgatatgcc agagcttggt gtccaaagcc cattcctgtg tgtccgtcct 360
 gccatttagc cacagaaggc tgcggagtga ggcggcagct agcctgg 407

<210> 54

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 37, 43

<223> n = A,T,C or G

<400> 54

cnacaaacag acctaaaatc gctcattgca tactctncaa tgnagccaca tagccctcgt 60
 agtaacagcc attctcatcc aaacccctg aagcttcacc ggcgcagtca ttctcataat 120
 cgcccacgga cttacatcct cattactatt ctgcctagca aactcaaact acgaacgcac 180
 tcacagtcgc atcataatcc tctctcaagg acttcaaact ctgctccac taatagcttt 240
 ttgatgactt ctagcaagcc tcgctaacct cgccttacct cccactatta acctactggg 300
 agaactctct gtgctagtaa ccacgttctc ctgatcaaat atcactctcc tacttacagg 360
 actcaacata ctagtcacag ccctatactc cctctacata ttaccacaa cacaatgggg 420
 ctcaactcacc caccacatta acaacataaa accctcattc acacgagaaa acacccctcat 480
 gttcatacac ctatccccc ttctctctct atccctcaac cccgacatca ttaccggggt 540
 ttctctctcaa aaaaaaaaaa aaaaaaaaaa a 571

<210> 55

<211> 473

<212> DNA

<213> Homo sapiens

<400> 55

tcttagcggc tgctgttggt tggggggcgt cccgctccta aggcaggaag atgggtggccg 60
 caaagaagac gaaaaagtcg ctggagtcca tcaactctag gctccaactc gttatgaaaa 120

09920300.073403

gtgggaagta cgtcctgggg tacaagcaga ctctgaagat gatcagacaa ggcaaagcga 180
aattggatcat tctcgctaac aactgcccag ctttgaggaa atctgaaata gactactata 240
ctatgttggc taaaactggt gtccatcact acagtggcaa taatattgaa ctgggcacag 300
catgcggaaa atactacaga gtgtgcacac tggctatcat tgatccaggt gactctgaca 360
tcattagaag catgccagaa cagactggtg aaaagtaaac cttttcacct acaaaaatttc 420
acctgcaaac cttaaacctg caaaaatttc ctttaataaa atttgcttgt ttt 473

<210> 56
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

<400> 56
tgctggcagt aactggcaag aagacaacaa gaccctagtn ctggttccaa tttaggtggt 60
ggtgatgacc tcaaacttcg ttaattaata gcacaacaga tgtgtgctgc ccatctttac 120
atacacattg cttctagtgt gcagaaataa ttgattaaaa gaccagaaac tgtgataact 180
ggaggtacta cgggtctatt ctcaacctta ggcagtaata gacatcacia actgccatgg 240
ttttgcacta tgattataat acctgcattt ctaatttttt aagcatgtag ccagtaataa 300
tttgaagttt tttttctatg caagcttacc ttgttggcat tatttttaggg agttgaaact 360
atcaactgta aagctccttt tcttccactt taattt 396

<210> 57
<211> 500
<212> DNA
<213> Homo sapiens

<400> 57
ctgcccccca cccttccctt cgatgacaac gtttgcaggc ttcaggggga ccaggggaaca 60
aagctggggc ctggcagccc cactacgctg ccagccgggg agaacaagtc acaattacaa 120
attatcacia caattagcgc ctgtacttgg gggatctgca aattgaggag gccccagctc 180
ctcattgtac acgggtctat ttggcagtga ctttgctctg gagacgatga tattccttca 240
gcctgagggg attgatgttg atgaaccggg tggcatcagt tggctcataa tcaccttgca 300
cgttcatgct caccagctcc tcattgtaga gagacagtgg ggactcccgg ccgaggatgt 360
acacctggcc cttgaggacg gacacccgca ctttcccttc cactcgctcc tgggacttgg 420
cgatgcagtg gcggacaaat tcacactcag ggctgtgcca gaaaccggta tacaccagct 480
cagcaaattt caagcccagg 500

<210> 58
<211> 258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 258
<223> n = A,T,C or G

<400> 58
ctgcctcaca ccgccccttg tgctcgcttc ataggtgtct atttgactc taagctctac 60

```

gggtgacaga tcttgtttct gaagatgggt taagttatag cttcttaaac gaaagaataa 120
aatactgcaa aatgttttta tatttggccc ttccacccat ttttaattgt gagagatttg 180
tcaccaatca tcactgggtc ctccttaaaa attaaaaagt aacttctgtg taaaaaaaaa 240
aaaaaaaaaa aaaaaaan                                     258

```

<210> 59

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 495

<223> n = A,T,C or G

<400> 59

```

ctgtanactt gacctcaaag attccatcct caatagttag gattgacaca tcaaaagtgc 60
cacctcccag gtcaaagatg agcacgtttc tttctgctcc aacctttttg tctaagccgt 120
aagcaatagc agcagcagtt ggctcattaa taattotaag tacattgaga ccagcaatag 180
ttccagcatc tttggtagcc tgacgttagg agtcattaaa gtaagctggc actgtgacca 240
cagcattggg aacagtcttc ccaaggtagg cttctgcaat ttccttcac tttgtcagaa 300
ccatagaaga cacctcctct ggatagaagc ttttgggtct tcccttgat tctacttgga 360
ccttgggcct gccagcatca ttcaccacca taaagggcc atgtttcata tcagactgga 420
caacagcatc atcaaactcg cgtccaatca gacgtttggc atcaaaaact gtgttggtgg 480
ggttcattgc aactngattc tttgcggcat caccgatca accgttcaa 529

```

<210> 60

<211> 422

<212> DNA

<213> Homo sapiens

<400> 60

```

aaagtacaaa atcaaataca cagatccagc agatccagat atgtgaacca tatatacata 60
tctatacaac cattatttag actttcācaa acctatctat acattctaata ttatctatca 120
acactatccc ttaagtaaaa agcaacatat ctcttaagta ggtttggtat cagtaaacact 180
atcgaatgta aattattttc acttcacac ttgaaacggg agaaataggg acctcctaga 240
aactggagaa ttaccaagca tatatccaat ttgtatagat ttcttaaaat acattctata 300
ggaataatta accgaagaaa ctgccaatca aagtttttgg gcatatttaa caaaacttga 360
gtcatgggaa gacataaagt taattaattg cattacaaga gttttgtttt gactttggtt 420
tt                                     422

```

<210> 61

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 378, 461, 463

<223> n = A,T,C or G

<400> 61

```

cctacagact tattttcttct tggacacacc caggtgctgg ccacggcggc cagtgggtctt 60
gggtgtgctgg cctcggacac gaaggcccca gaagtgacgc agccctctat gggccccaat 120

```

```
<210> 62
<211> 228
<212> DNA
<213> Homo sapiens
```

```
<210> 63'  
<211> 475  
<212> DNA  
<213> Homo sapiens
```

```
<210> 64
<211> 448
<212> DNA
<213> Homo sapiens
```

```
<210> 65
<211> 329
<212> DNA
<213> Homo sapiens
```

```
<210> 66
<211> 415
<212> DNA
<213> Homo sapiens
```

```
<210> 67
<211> 316
<212> DNA
<213> Homo sapiens
```

```
<210> 68
<211> 507
<212> DNA
<213> Homo sapiens
```

<210>	69
<211>	626
<212>	DNA

<400> 69

<210> 70

<211> 494

<212> DNA

<213> Homo sapiens

<400> 70

gttttaccct	ttctaaacac	tgtccttttt	gaaagttttg	aatatatcca	cattctattg	60
aaaccttgaa	actaaaaatt	tagactctta	tcgtcatctt	aagttcttca	tgctactctt	120
aacctcccaa	aaagcagtat	ctaagtcaca	tacatgatgt	cttgggcatt	ttctgagcca	180
tggagaactc	tgaaaggaag	aatcgctgct	tttctcaagc	aaatcggttt	cttgatgtct	240
tttggttctc	cttgctgct	cctgatgctt	ggaccccttt	tattgatcag	agtgctctag	300
aataatggat	ggtcttgat	gatggataaa	tagggacagg	gacagttaaa	ttgggagcct	360
ttcttacaac	cttgatggga	tttttcccc	caagtttcct	tctccactga	aatgccacac	420
taatgcttgt	tggattcatg	aggtggacct	gcccgggcgg	ccaagggcga	attctgcaga	480
tatccatcac	actg					494

<210> 71

<211> 294

<212> DNA

<213> Homo sapiens

<400> 71

ctgcttcaag	acctcagctt	catgggactt	gcgtctttct	tctgcagctt	ctaatttctt	60
ctgaatttcc	tccaggga	gatccttctt	ctttggaggg	gaaaggggga	attctggaac	120
agattctttt	gaccgagggc	tgagaatcag	ctcaaaagcc	tggcctgagg	cacgcttctc	180
cagttctttc	acctggatat	cagaagaagc	catggtgaat	agaagacaag	cgacaggcag	240
tgtattctgc	acaatcaact	gggataagga	aagtctctgt	cagtccgagc	cgcc	294

<210> 72

<211> 329

<212> DNA

<213> Homo sapiens

<400> 72

aaatttgacc	aaaaaaaaatt	tattgtacaa	ttaccaccca	ctggatttga	ctcagagagg	60
acccccagag	ggtgtctcca	tcttccctat	ttattttcag	cccttgaggg	cttcattgta	120
gatcaaaagc	aaggccccca	ggaaggtgac	atactcctgg	aagttcacct	ctcggtcctt	180
ggtccggtcc	aagctctcca	tcagccttgc	aatttcagca	tctgcagct	cctgaccaat	240
ggtgagctcc	ttctggatca	gctccttcag	ctccttcttg	ctcagggtgt	gcttgtcacc	300

ctccctgccg gagtacttgt ggaagatgg

329

<210> 73

<211> 527

<212> DNA

<213> Homo sapiens

<400> 73

```

aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagccc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaacaagc ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cttttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttctt ccaagaaggc tgagttctac attgatg 527

```

<210> 74

<211> 221

<212> DNA

<213> Homo sapiens

<400> 74

```

aaaattttta ttggctagct cttgccctta tatgacttta atgtctgtga gtcattccca 60
gcttaaatta acaattgtta gtattagtct cacacataag tgccatacat tttatcctca 120
tggatgtgat gcaactgaaa gttagtgtct ctctttttt cttttttttg tcgtgcatat 180
tttattttctg tagttttctg ttagctaccc taaagtgatt t 221

```

<210> 75

<211> 312

<212> DNA

<213> Homo sapiens

<400> 75

```

cgccagcttg gtaccgagct cggatcccta gtaacggccg ccagtgtgct ggaattcgcc 60
cttgccgccc gggcaggtcc tgaaggaaga gctggcctac ctgaagaaga accatgagga 120
ggaaatcagt acgctgaggg gccaagtggg aggccaggct agtgtggagg tggattccgc 180
tccgggcacc gatctcgcca agatcctgag tgacatgcga agccaatatg aggtcatggc 240
cgagcagaac cggaaggatg ctgaagcctg gttcaccagc cggactgaag aattgaaccg 300
ggaggtcgct gg 312

```

<210> 76

<211> 334

<212> DNA

<213> Homo sapiens

<400> 76

```

ctggcaagag acttctgag gcacatcagc tacgttggtc aatttagggc acggtctggt 60
tctgcagctt tgaaagggtg attctttcta ttagcacact ttacaagagg gattgtaaag 120
gattaactca gtcaccagaa acgaaacacc acttcagaaa ttcagagacc tctgatcaac 180
agaacagaca tttgggcttt aactgctaaa gcagctacct acttggggaa accatggcat 240
tctgctgcct ggacagcagg aattaagaga gatttcagag ttactggcac gaggacaaag 300
cctctcagct cgcttcacct tggcaacctt aaac 334

```


$\langle 210 \rangle$	80
$\langle 211 \rangle$	38
$\langle 212 \rangle$	DNA

<213> Homo sapiens

<400> 84
 ctgaaccaga tcaaaaaccc cattgagaaa catggggcca acatgggtccc catcaaggat 60
 tacgagaaca agaactccaa aatgtctaaa ataaggacac acaattctga agtagaagag 120
 gacgacatgg acaaacacca gcagaaagcc cggtttgcca agcagccggc gtatacgctg 180
 gtagacagag aagagaagcc ccccaacggc acgcccagaa aacacccaaa ctggacaaac 240
 aaacaggaca acagagactt ggaaagtgc cagagcttaa accgaatgga gtacatcgta 300
 tagcagaccg cgggcactgc cggcgttagg tagagtctga gggctttagg ttcttt 356

<210> 85
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 319, 327
 <223> n = A,T,C or G

<400> 85
 ccgccatcac accctggact cctgcagggg aggacacacg gaggtggaca actgcagata 60
 cacttactcg gagtggcaca gttttactca gcccgtctt ggtgaagaat ccattagagg 120
 acacactctg attaaaaatt aaacaatgaa agaaagtgtg tctgtgtaat caagatgaaa 180
 atcacaagca tgcccaagac tatgtcctga catataacta tgaaggaaga ggatcgggtg 240
 ctgggtctgt aggttgttgc agtgaacgac aagaagaaga tgggcttgaa tttttggata 300
 atttggagcc caaatttang acactancag aagcatgcat gaagagatga gtgtgttcta 360
 ataagtctct gaaagccagt ggctttatga ctttt 395

<210> 86
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 86
 ctgtaggaac tactgtccca gagctgaggg aaggggattt ctcaggatcat ttggagaaca 60
 agtgcttttag tagtagttta aagtagtaac tgctactgta tttagtgggg tggatttcag 120
 aagaaatttg aagaccagat catgggtggg ctgcatgtga atgaacagga atgagccgga 180
 cagcctggct gtcattgctt tcttcctccc catttggacc cttctctgcc cttacatttt 240
 tgtttctcca tctaccacca tccaccagtc tatttattaa cttagcaaga ggacaagtaa 300
 agggccctct tggcttgatt ttgcttcttt ctttctgtgg aggatatact aagtgcgact 360
 ttgccctatc ctatttggaa atccctaaca gaattgagtt ttctattaag gatccaaaaa 420
 gaaaaacaaa atgctaatag agccatcagt caagggtcac atgccaataa acaataaatt 480
 ttccagaaga aatgaaatcc aactagacaa ataaagtaga gcttatgaaa tggttc 536

<210> 87
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 87
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240

```
<210> 88
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 475  
<223> n = A,T,C or G
```

```
<400> 88
ccaacacctt ccgtggcctt actcagctcc agactctgat actgccacaa catgtcaact 60
gtcctggagg aattaatgcc tgaatacta tcacctctta tatagacaac caaatctgtc 120
aaggggcaaaa gaacctttgc aataacactg gggaccaga aatgtgtcct gagaatggat 180
cttgtgtacc tgatggtcca ggtcttttgc agtgtgtttg tgctgatggt ttccatggat 240
acaagtgtat gcgccagggc tcgttctcac tgcttatgtt cttcgggatt ctgggagcca 300
ccactctatc cgtctccatt ctgctttggg cgaccagcgc ccgaaaagcc aagacttcat 360
gaactacata ggtcttacca ttgacctaag atcaatctga actatctcag ccagtcagg 420
gagctctgct tcctagaaaag gcattcttcg ccagtggatt cgctcaagg ttgangccgc 480
cattggaaga tgaaaaattg cactcccttg gt                    512
```

```
<210> 89
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G
```

<400> 89						
ccaaccttcc	tgtgccagc	ctgcagacag	gtggcctctg	gtggttccag	gatctcacgg	60
tatccgatcc	catctacata	ttaccactgg	cagtcactgc	tacaatgtgg	gctgttcttg	120
agctaggtgc	tgagacaggt	gtgcaaagtt	ctgaccttca	gtggatgaga	aatgtcatca	180
gaatgatgcc	cctgataacc	ttgcccataa	ccatgcattt	ccccacggca	gtgtttatgt	240
actggctctc	ctccaatttg	ttttccctgg	tccaagtatc	ctgtctccgg	attccagcag	300
tacgcactgt	acttaaaatc	ccccancgtg	ttgtacatga	cctggacaaa	ttacctccac	360
gggaaggcct	cctagagagc	ttcaaaaaag	gctggaaaaa	tgctgaaatg	acgcgtcag	419

```
<210> 90
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 152, 189, 190, 228, 275, 298, 325, 336
<223> n = A,T,C or G
```

<400> 90
 cctgggtgcg aagcatgttg gcttggccct tcacggctct ggagggaggt gaggctggcc 60
 ttggaaggcg tgccctggag aggtcttggg tgaaaacttg accttgaaga aaccaatcac 120
 aaaagcggcg ttgggtcatg ggctaggctt anaggtgaag catcaacatg gaaccatctc 180
 aggaagccnn atcgctctt ccgaggctct cacttccggg agcctgttct tgcaagatgc 240
 aatcatcggt cctgcttttt cattgtcatt aaatnctgta caaaccatt gtcattanct 300
 ccaagtgtaa atttgggtca agganacaga ataatnatgg gaatctcgga gtctgacacc 360
 atag 364

<210> 91
 <211> 134
 <212> DNA
 <213> Homo sapiens

<400> 91
 ccttttactg cgtctatatt cctctaactt ccttaatgat caatcaaaaa aagtaacacc 60
 ctcccttttt cctgacagtt ctttcagctt tacagaactg tattataagt ttctatgtat 120
 aactttttta ctgt 134

<210> 92
 <211> 363
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 317
 <223> n = A,T,C or G

<400> 92
 ccaccatgga gaacaagggt atctgcgccc tggctctggt gtccatgctg gccctcgcca 60
 ccctggccga ggcccagaca gagacgtgta cagtggcccc ccgtgaaaga cagaattgtg 120
 gttttccttg tgtcacgccc tcccagtggt caaataaggg ctgctgtttc gacgacaccg 180
 ttctgtgggt cccctgggtg ttctatccta ataccatcga cgtccctcca gaagaggagt 240
 gtgaatttta gacacttctg cagggatctg cctgcacccg gacgcgggtg cgtccccagc 300
 acggtgatta gtcccanagc tcggctgcca cctccaccgg acacctcaga cagcttctg 360
 cag 363

<210> 93
 <211> 97
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88
 <223> n = A,T,C or G

<400> 93
 cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
 acagcaagac tgtctcaaaa aaaaaaanc caaaaaa 97

<210> 94

05930300-03404

<211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 244, 429
 <223> n = A,T,C or G

<400> 94
 ccaaaagttt agcatattct gcagcctctt ctttattttt cttggtacgc tgcttcttca 60
 gagcaatacg ccgccgtttg tgctgcagga cacgtggagt aacaagacgc tgaatcttgg 120
 gtgcttttgt cctaggtttc ttaccttctt tatttaaggg ctttcttaca acatactggc 180
 ggacatcatc ttcttttagag agattgaaaa gtttgcgat tctgctagct cttttggggc 240
 ccangcggcg aggcaactgta gtatcagtc gtccaggaat atccttctct ctttttttta 300
 caataaccaa gttgagaacg ctcagatttg catccacaat gcaaccacga actgattttc 360
 tctttctttc tccagttctc cttggtctgt aacaggaatg ccccttactc agtagcaggc 420
 ggacacggnc atgggtcaag acaccctgct tcatggggaa accttgtttg tcgttccac 480
 cactgattcg gaccaca 497

<210> 95
 <211> 459
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 357, 370
 <223> n = A,T,C or G

<400> 95
 aaaagacaaa aacaaaacaa aaataccaca gctcaagata aagagtccta tacagaaatc 60
 acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
 gcctgggtca gggctcctgg ctggtgacct gctttgagta ggtttcttgc aggtacttct 180
 taaaagctgt ggggtttttc cagagctcgg cagcatgtgt gttcaaggga ctatcaatgt 240
 tgggttctcc tagaaggctc tggatggaga gcagaatggt cctgacatca tacagggcag 300
 accacttttc cttcaggatg tccaggcata tgttaccctg ggtgtccacg ttgggngat 360
 agcagggcgn gaggaacttc actgtgggcg cattgtaagg gtagccactg gggaactcta 420
 gcgagagctt atacctcagg tcttcatata ctgttccag 459

<210> 96
 <211> 230
 <212> DNA
 <213> Homo sapiens

<400> 96
 ttcgaaagca tcttgagagg aacagaaagg ataaggatgc taaattccgt ctgattctaa 60
 tagagagccg gattcacctg ttggctcgat attataagac cgagcgagtc ctccctccca 120
 attggaaata tgaatcatct acagcctctg ccctggctgc ataaatttgt ctgtgtactc 180
 aagcaataaa atgattgttt aacgaaaaaa aaaaaaaaaa aaaaaaaaaa 230

<210> 97
 <211> 535
 <212> DNA

<213> Homo sapiens

<400> 97

```

aaaattattc tcttctaacc aatgaagtgt ttgtcagtat gcccacaagc ttgctctttt 60
gtgctccctt ttgaataact ttctatccag aaaaagagat tatttgggac ttgagatttg 120
cagtgaacc aacttatagc aatgatgtac ttttaaggga ctacccaact atgttgtgat 180
agaagaaaga gaaaccttca ctttggcatt ttttttaatc actgtttatt tttctgtttg 240
cggcccagga agcagtggga ggtgggtggc gatatgcttt gcataatgat tgttatgttt 300
ttatttgggc aagtttaatc atggaaaact caaaaagaag gggggaaatg gtcagtttaa 360
gccaaaagaa acttttctaa caatgtatag gtacacagca aaattaaaca aatccaacaa 420
tttctgaagc ttagtgtaat tgagtgggtg ttgttattca ataaaattat tcccaaaagt 480
gtttctccta agagtgcagt tcccatgagt cacttctga acccattgac caaag 535

```

<210> 98

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 252, 255

<223> n = A,T,C or G

<400> 98

```

aaaataaaaa aaaatttgca cttattcttc acaaaatctt cacttttga actatcccaa 60
ttgaagctac acactgaatt tattaatata gcattaagtt tctttgtgta aaaaaatctt 120
tgtacacagt aataaaaaaa gataaggcaa gatgcattaa acagaaacct tctggctctt 180
ttcctctgcg tttttacaga gccactgatg actatctgca acaaaagagt taagtttctg 240
attttccgta tnaan 255

```

<210> 99

<211> 599

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 162, 183, 315, 318, 324, 326, 357, 522, 571, 599

<223> n = A,T,C or G

<400> 99

```

aaataaaaaag agatccaaat caagatcctc actacccctt acccctcaac taacccctt 60
tagggccaca ttttcttctt gctcctaaga aaaaaatttg gaattttgaa tattctcggt 120
tttctgtgca cacctggaat tgggcaaagt tgttcagctc anccagcatt ttctgtagac 180
atnatcaaaa gcaggcactt ggggattctg ggctttgagt acaaaccacg gatcttgtgt 240
cagaaacaca tgttgagact cctccattcc ttccagaatt ttcagagatg aggtagaccc 300
acctcaatca tctnagnat cagntngcta aattgccagg ctcaatgaca agctctnctg 360
ccatctccaa gccactttt catagtctcg ctctgtcttt ggctgcagca ctttaggcac 420
tattctaagt cctggagtat atcactcttg cttcagagct aaataaacat taatgaacac 480
acttactcag aacaagtcac tggatagctg cccattgcaa gntacatact catgagatga 540
aagaggggaag ccattaaagg tcttcagagt ngacaatacc tagtcaagat gtggacctn 599

```

<210> 100

<211> 190

$$\begin{array}{ll} \langle 210 \rangle & 104 \\ \langle 211 \rangle & 507 \end{array}$$


```
<400> 106
cctttccctg cccagtctgg tgcctgcccc acgttgtagc ggacactgga ttcttggaac 60
ccctttctct ttccctttctt tccttcaggt caccgagccc tgtactgtat ccagcaccac 120
agaaacctca gtgtttttcc tctgctgggt tggggcacia ggaagcctta ggggatgggg 180
aaaggctgtt attacctaga gtttactccc aggccagggg gctgccatct tcttcacaga 240
catccctgaa aggaagcccc ttgggggcag ggagggtagg acttcattct aacatcggct 300
ggtgggtggg aggggagctt tttcttttct ttcccttttt ttgtttttgt ttttgntttt 360
gtttttggta acatgttagg agttaatgtt gcaaagagta gtttacatct tcactttctg 420
```

```
<210> 107
<211> 167
<212> DNA
<213> Homo sapiens
```

```
<210> 108
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 109
<211> 516
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 19, 26, 33, 36, 41, 59, 62, 82, 89, 93, 107, 168, 171, 208,
224, 237, 238, 257, 260, 372, 384, 428, 432, 502, 516
<223> n = A,T,C or G
```

```
<210> 110
<211> 527
<212> DNA
<213> Homo sapiens
```

<400> 110

```

gggcacaatg ataaacatac tggctgttgt ggtgacaatg acccaattga tgtgtgtgaa 60
attggaagca aggtatgtgc aagaggtgaa ataattggcg tgaaagttct aggcattatg 120
gctatgattg acgaagggga aaccgactgg aaagtcattg ccattaatgt ggatgatcct 180
gatgcagcca attataatga tatcaatgat gtcaaacggc tgaaacctgg ctacttagaa 240
gctactgttg actggttttag aaggtataag gttcctgatg gaaaaccaga aaatgagttt 300
gcgtttaatg cagaatttaa agataaggac tttgccattg atattattaa aagcactcat 360
gaccattgga aagcattagt gactaagaaa acgaatggaa aaggaatcag ttgcatgaat 420
acaactttgt ctgagagccc cttcaagtgt gatcctgatg ctgccagagc catttgtggat 480
gctttaccac caccctgtga atctgectgc acagtaccaa cagacgt 527

```

<210> 111

<211> 580

<212> DNA

<213> Homo sapiens

<400> 111

```

aaatactatc acataaagca tgggtggagaa aagaaatfff gcttcataat tagaaaaact 60
cacaataaaa cttgccaaga aaaacaaaaa cgaaaaagcc atttgaaaat aaatacagtc 120
catgccaaag tagtataaaa tgaagccaga agtcttcaaa aagaaaaacat tttcctttca 180
atattttctt tttaatgatt ttctgaaatt ggtgagactg tcaaattcag gggttgctga 240
gctgtttctga tttggttctt ttggtatctg ttttttcacc actgttgtcc ttggatttat 300
cttcttctct aacgtctggt tttttgtctt ctgtttcttt cttatcttct tcaattctag 360
ctttctttgc tcctttctta tgatcagcca catttcttcg acctccttct ccttcactct 420
cagaatctga gaattcttca tcacaagcta tccgcttgtc tgatgctcga atagaaattc 480
tcttgtctgg atcttctcca tcttcactct cactgtcttc atgaacagca tcttctggaa 540
tagcttgcac ctggacacca ggtgcatgag gtaacatgag 580

```

<210> 112

<211> 283

<212> DNA

<213> Homo sapiens

<400> 112

```

aaaagacatt tcagcttctt tactcagttc tgcatatata gtgcatcagt ctgttctctt 60
tgaccacaat tggaatacat ttcaagatgg taacagcccc atgaagtacc gctttaattc 120
cttgctggta atctaataga atcagattaa gaaaattaac acaattttac catttgacat 180
actcttcatt gaatttagtt tgtctaaaa atgtctcacag gtaaaaaaca taacaacaat 240
gaccaccatt gtctttgata catttatfff aattcttaag tgg 283

```

<210> 113

<211> 575

<212> DNA

<213> Homo sapiens

<400> 113

```

ctggaagcct ggaggagtca cctgaatfff ctggatcatc aactcttctt cctgtggcac 60
caaagccaca aaataaggag ggatgttcct gcgggggtgt tatctgcaca atgctgcaac 120
ctccttctcc agacacttga tgagcagagc actgaacagg gttgagctcc caatcaccag 180
cgactcctct gggtacacga acagggaggg cctcaggtaa tgggtgtttct tcagcagtac 240
caacggcttg aaacccatga gcatcaaacc tggatcatca aaccgtttta gctcttctgt 300
ttcctctttc tccagtataa tctgacgact cccatagatc tgagacctct tggatcgcct 360
aggcagaagc aaaccgctg tacttgtatt aaaggtccgg gtcttggttt tcaactggtc 420
atttgtttcc cgatagagct ttattggagg aggccttgaga gccttctgga ccagattata 480

```

09920300 00000000

```
<210> 114
<211> 314
<212> DNA
<213> Homo sapiens
```

```
<210> 115
<211> 304
<212> DNA
<213> Homo sapiens
```

```
<210> 116
<211> 454
<212> DNA
<213> Homo sapiens
```

```
<210> 117
<211> 380
<212> DNA
<213> Homo sapiens
```

<400> 117

ctgtcctgca	gcaaacactc	caccctccac	cttcattttt	ccccactac	tgcagcacct	60
ccaggcctgg	gtcccctgca	acctcccac	aaaggatgac	ccctaaacac	agaggagcgg	120
ggcaggcagg	ggggcaagga	ctggagctac	cttgcttggt	gggggactgg	gtacagttgg	180
caagctgtgt	ttccatcagc	tcctgtcct	cctttcttcc	ctcgttattg	atctatagac	240

```
<210> 118
<211> 651
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 492, 573, 639
<223> n = A,T,C or G
```

<400> 118						
gcgagaatga	agactatttct	cagcaatcag	actgtcgaca	ttccagaaaa	tgtcgacatt	60
actctgaagg	gacgcacagt	tatcgtgaag	ggccccagag	gaaccctgcg	gagggacttc	120
aatcacatca	atgtagaact	cagccttctt	ggaaagaaaa	aaaagaggct	ccgggttgac	180
aaatggtggg	gtaacagaaa	ggaactggct	accgttcgga	ctatttgtag	tcatgtacag	240
aacatgatca	agggtgttac	actgggcttc	cgttacaaga	tgagggtctgt	gtatgctcac	300
ttccccatca	acgttgttat	ccaggagaat	gggtctcttg	ttgaaatccg	aaattttcttg	360
ggtgaaaaat	acatccgcag	ggttcggatg	agaccagggtg	ttgcttgttc	agtatctcaa	420
gcccagaaa	atgaattaat	ccttgaagga	aatgacattg	agcttgtttc	aaattcagcg	480
gctttgatcc	ancaagccac	aacagittaaa	aacaaggata	tcaggaaatt	tttggatggg	540
atctatgtct	ctgaaaaaag	aactgttcag	cangctgatg	aataagatct	aagagttcct	600
ggctacagaa	aqaaagatgcc	agatgacact	taagacctnc	tttgtatatt	t	651

```
<210> 119
<211> 472
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 466, 467  
<223> n = A, T, C or G
```

<400> 119							
ctggagcctg	agtccgctgc	acggagactc	tgggtgtgggt	cttgacgagg	tggtcagtga		60
actcctgata	gggagacttg	gtgaatacag	tctccttcca	gaggtcgggg	gtcaggtagc		120
tgtaggtctt	agaaatggcc	cagttcggtg	ttggttttta	ttctgcttat	ttggttgctg		180
agaaagtaac	tgtgatcacc	aaacataacg	atgatgagca	gtacgcttgg	gagtcctcag		240
caggggggatc	attcacagtg	aggacagaca	cagggtgaacc	tatgggtcgt	ggaacaaaag		300
ttatcctaca	cctgaaaagaa	gaccaaactg	agtacttggg	ggaacgaaga	ataaaggaga		360
ttgtgaagaa	acattctcag	tttattggat	atcccattac	tctttttgtg	gagaagggaac		420
gtgataaaga	agtaagcgat	gatgaggctg	aagaaaagga	agaccnngaa	ga		472

```
<210> 120
<211> 544
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature
```

<222> 544

<223> n = A,T,C or G

<400> 120

```
cgagggcctg ctgcttcctg gttaagtatc ttttgagatt ctagaacaca tgggagcttt 60
ttattttcgg ggaaaaaccg tatttttttc ttgtccaatt atttctaaag acacactaca 120
tagaaagagg ccctataaac tcaaaaagtc attgggaaac ttaaagtcta ttctactttg 180
caagaggaga aatgtgtttt atgaacgata gatcacatca gaactcctgt ggggaggaaa 240
ccttataaat taaacacatg gcccccttag agaccacagg cgatgtctgt ctccatcctt 300
ccctctcctt ttctgtcacc tttcccccta gctggctcct ttggacctac ccctgtcctt 360
gctgacttgt gttgcattgt attccaaacg tgtttacagg ttctcttaag caatgttgta 420
tttgaggctt tttctgaata ccaaactctg tttttgtaaa gcgtaaaaac atcacaaagt 480
aggtcattcc atcaccaccc ttgtctctct acacattttg cctttgggga tctggttggg 540
gttn 544
```

<210> 121

<211> 579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 505

<223> n = A,T,C or G

<400> 121

```
ctgatgctgt ttgatgactc tgggaagtat tgaaggttcc aaaatcagca ctggaggatt 60
tggggaagtt atcaaaatga gcaaaattag catttactga tgcagcactt ccacctgtag 120
tttggggctg aaaaggagag tgacttgctg tggggaaacc tccaaaatta ctccaaccac 180
tagactgtcc aaatgcatca aagtttgcaa aatctgcatt tgcagaattc tgagctgcat 240
gactgttgaa atgtgcaaag ttagcaaaat tggctgtagc tgttgactga ggagctggag 300
cagcaaagat gtctgagccg agatcactta aaagggtcaaa ttgcttcttc tctgtctgct 360
gcccttgaga acgacctaca actggggact gactaggtgt gcccttattt aagtgcagt 420
ttggtgcaga atccccataa agagatttca gtggtttgac ctccaggtgtg ctgcttgtgc 480
tactggcaga ggacccttga aatanatgca tgaactgatg ccacgacttt ggcttgttct 540
ggcgggacat accatctttt cttttcatac ttttcttga 579
```

<210> 122

<211> 238

<212> DNA

<213> Homo sapiens

<400> 122

```
ctgccacaga gggccccac cagggaaatg tctagtgtct agtggatcca ggccacagga 60
gagagtgcct tgtggagcgc tgggagcagg acctgaccac caccaggacc ccagaactgt 120
ggagtcaagt gcagcatgca ggcgccctt gggaaagctt taggcaccag cctgcaaccc 180
attcgagcag ccacgtaggc tgcaccacag aaagccacag gcacggggct acctgagg 238
```

<210> 123

<211> 377

<212> DNA

<213> Homo sapiens

<400> 123

attacgccaa cttggtaccg agctcggatc cctagtaacg gccgccagtg tgctggaatt 60
 cgcccttggc cgccccggga ggtctgggag gatagcaccg ggcatatctt ggaatggatg 120
 aggtctggca ccctgagcag tccagcgagg acttgggtctt agttgagcaa tttggctagg 180
 aggatagtat gcagcacggg tctgagtctg tgggatatgt gccatgaagt aacctgaagg 240
 aggtgctggc tggtaggggt tgattacagg gttgggaaca gtcgtacac ttgccattct 300
 ctgcatatac tggtagtgga ggtgagcctg gcgctcttct ttgcgctgag ctaaagctac 360
 atacaatggc tttgtgg 377

<210> 124

<211> 461

<212> DNA

<213> Homo sapiens

<400> 124

ccaggggtgga gtgcagtggt gtaatcaaag ctactgcaa ccttaacctc cctggggtca 60
 ggtgacctc ccattctcag cctgtcaagt agctggaacc acaggcatgt gccaccacac 120
 ccagctaatt ttttttaaat gtttttagaga gacaggggtt caccacatta cctaggctag 180
 tctcagaact cctggactca agtgatctgc ccattctggc ctctttgtat gtagactgta 240
 ccattgtgaa tatattatca atattcaaga aactagcttt aactaacttt tgctgggtcaa 300
 ttccactgta ctggctccga aaattatcct ctgggtactc cctactatga aaatggaggt 360
 attcttcaaa agatattaag aaattctccc tatcaagact tatttatcta tccactgatg 420
 gttgttacat attaaataag ctttaactgcc cagtttctat t 461

<210> 125

<211> 266

<212> DNA

<213> Homo sapiens

<400> 125

ccttctcttt tgggtcccca ggtggtaaat gtctgtaaac ccagctattg caggggtttt 60
 gaagtgaaga gctttgttat atcctaggtc agcaccacgg gctgcccttg ttctgaactg 120
 ggagcacttc cccagtgga ggatacagac tcaaaagctg ttcttggtgt gccttgctag 180
 gtgccagggc agcccagggg ggcattctta atgagggctt ggcaggagtc tcccaggctg 240
 agagtgggga gtggggagat gaggaa 266

<210> 126

<211> 322

<212> DNA

<213> Homo sapiens

<400> 126

ccttttagaa gctattaaat gagcaaacat tatagataaa ccaattttat atctgaagca 60
 gcttatagca ccaacacgtt ggcaggacca gcagaggggt ggggtctttg gaccaaggca 120
 tctgggaaca ggaagggctc tcagccatca tctaccttat ccctgtaagt ctattaaatg 180
 taaataatac atactttaca acttctctta gtcggccctt ggcagattaa atctttgcaa 240
 aattccatat gtgctattga aaaatgaaat aaaacctcag atgtctgaat tcttatttca 300
 aatacagtta tataattatt tt 322

<210> 127

<211> 372

<212> DNA

<213> Homo sapiens

<400> 127

05900300 033101

accaagttga ctctgaggcc ctggtgggct gcctgcgggg caagagtaaa gaggagattc 60
 ttgcaattaa caagcctttc aagatgatcc ccggagtggg ggatgggggc ttcctgccc 120
 ggcaccccca ggagctgctg gcctctgccg actttcagcc tgtccctagc attgttggtg 180
 tcaacaacaa tgaattcggc tggctcatcc ccaaggtcat gaggatctat gatacccaga 240
 aggaaatgga cagagaggac ctgccaaagg cgaattctgc agatatccat cacactggcg 300
 gccgctcgag catgcatcta gagggcccaa ttcgccctat agtgagtcgt attacaattc 360
 actggccgctc gt 372

<210> 128

<211> 575

<212> DNA

<213> Homo sapiens

<400> 128

ccaccacacc caattccttg ctggtatcat ggcagccgcc acgtgccagg attaccggct 60
 acatcatcaa gtatgagaag cctgggtctc ctcccagaga agtgggtccct cggccccgcc 120
 ctggtgtcac agaggctact attactggcc tggaaccggg aaccgaatat acaatttatg 180
 tcattgccct gaagaataat cagaagagcg agcccctgat tggaaggaaa aagacagttc 240
 aaaagacccc tttcgtcacc caccctgggt atgacactgg aaatggtatt cagcttcctg 300
 gcacttctgg tcagcaaccc agtgttgggc aacaaatgat ctttgaggaa catggtttta 360
 ggcgaccaca accgcccaca acggccaccc ccataaggca taggccaaga ccataccgc 420
 cgaatgtagg acaagaagct ctctctcaga caaccatctc atgggccccca ttccaggaca 480
 cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 540
 gggttcctgg aacttctacc agtgccactc tgaca 575

<210> 129

<211> 261

<212> DNA

<213> Homo sapiens

<400> 129

aaactgctct ttttatctgc ttgtgggaat gtcgtctctt tcgtggaaga ttgggtgggc 60
 tcatgttgag gctgttgccc agtcccatta actcccttgt cccccacag aaggaagaga 120
 cattgccag ctaagcatca ggaagctgtg ttaaaagccc ttctatgggt ttggttttgt 180
 gatgtttttc cctaattgga aaaacgttat agttgtttct tactgccctg tctgggaagc 240
 agggcaaacc tccagggttt t 261

<210> 130

<211> 495

<212> DNA

<213> Homo sapiens

<400> 130

ctgggggtact ttcagtttgg actgatattc atcacacctc agataaaatg cagagtaata 60
 tatagttgca ctttataaat ggtggttaaa tggaaatggt caagccattt tatagttgtg 120
 atgcacaata taatttaagt gcttctgtca aagtattcct ccagtacaat ttgtatagtt 180
 tgctgccctt gatgagcaaa agtattttatc ttgggcttat ctaaatgac aggatgagat 240
 ttaatgccc aatcttacc gttcagtaat ctccagagcc atttcaccct ttagagtgtg 300
 tcacatgcag ggagtgtgaa tgtcagaggt ggtttattat ccagtctgcc ttacccttaa 360
 tctgttcaca gatattttat tactaatgct ttttttttct taagagttaa gggataggaa 420
 aatgaagtgt ttgctcttca ttactaaaat gattgtaaac ttgagttttt catcaaaaata 480
 aaattccatt gtttt 495

<210> 131

<211> 214
 <212> DNA
 <213> Homo sapiens

<400> 131
 ccaagaggtc agagtcgtcc ctgaggctga gtcgaacaca gaccctgtggc cctcataaaa 60
 ttaaacataa aagcacaaaa atggcgcaac cagacagcat tggcttcaga caggcaggac 120
 acggggcccc tcgtgtgacc tgtgactttc cacaaagggc aaggacctgg cactgactcc 180
 ggccagtgga gaaggctgtg ccgcccaccc ggcc 214

<210> 132
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 132
 cctgggagga gactatggaa gaaagggggc ctcaagaggg agtggcccca ctgccagaat 60
 tcccaaaaga tcattggccg tccacattca tgctggctgg cgctggctga actggtgcca 120
 ccgtggcagt tttgttttgt tttgcttttt tgcacccaga ggcaaatgg gtggagcact 180
 atgccagggg gagcccttcc cgaggagtcc cagggggtgag cctctgtgcc cctaatac 240
 tcctaggaat ggagggtaga ccgagaaagg ctggtatagg gggagggttc ccaggtagaa 300
 gaagaagtgt cagcagacca ggtgagcgtg ggtgccagtg gggttcttgg gagcttcaag 360
 gaagcaagga acgtccctc cttcctctcc tgggtcttct ctatgggacc tagtaaataa 420
 ttactgcagc cacctgagge tggaaaacca ctccagggtg gggaggagag agttta 476

<210> 133
 <211> 142
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 73
 <223> n = A,T,C or G

<400> 133
 aaaattacct tttcatcttg ctngattttc cttcagctaa attagaaatt tgtagttttt 60
 cccctaaaaa atncaatggc attctttctt ataaattaca ttctctgatt ttcttgtcag 120
 cctgcttcaa ggaaatccat gt 142

<210> 134
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 18, 25, 69, 93, 98, 115, 134, 246, 352, 365, 369, 438,
 440
 <223> n = A,T,C or G

<400> 134
 ngtncaagaa aataattnta tctantgatt attagtgact tgcaaacaaat ttactatttc 60
 tagactaang aaataaatta gtgtacaaat tantgtanca ggtaaaaaac acctnaggga 120

05950300 "03404"

```

tttcagacca aaantgacct atatatatatt ttaattcatt atatatctgt cctgtttctt 180
catttttctc aattttccaca cgctataaat ttaggtcggc caataaagta ctaaccgtat 240
aaaatnatgt ttaatcctat aatatcttaa ttcattttac taatattaaa gatgacaaat 300
tattacctgt ccaatactta tattagctag caggctcacc agaataaagc anagtatttt 360
aattncatna agacttggtg agtacagaat caggaaaaag agaaatataa ttccttttcc 420
aaactccctt aaactaanat ctgcttttga tacttt 456

```

<210> 135

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 47, 61, 179, 266, 311, 324, 352, 354, 416, 421, 458, 477, 487

<223> n = A,T,C or G

<400> 135

```

tttttttttg aaanaacatg tattgaggtg ccttttattg gtataanaac gtaagttcca 60
nattaaccat gtcattgttt cattttcacc atggattttt tttcacaac tcctttgaaa 120
ttaaacagac ttatatgtaa atgtctttct acattaaaac tacttccaa cccacaaana 180
ccccacttac tactaatttc tggggaattt cgtttactcg ttttatctaa tattaaaaaa 240
tcaacatttt gccagcagtt aaaaanacaa ccttaaagtt ctcaaattac tttccaccaa 300
acccggaataa naaaaccacc catntccaaa actttaaagc aataaaaatt tntnttttcc 360
aaaaaagtat ttacagactg aaattcaaac tctacattgc catcaatgta attatncaag 420
ngcatacaaa gccctggaaa agaggaagta tttcatttca aaatatttat gatcaanaaa 480
atattgnttg ctttt 495

```

<210> 136

<211> 384

<212> DNA

<213> Homo sapiens

<400> 136

```

cctgagcccg acttagccag ccctggctgt tgtattacca aagcaggggc catgtttgct 60
gccttaaccc tgtctcctct ctgttactca gagggcctca tctcagacaa ggcccagcct 120
gctttttctc agccctgact ttctaattgg ctttcccccc taggtcagtc ttgctggatt 180
tgtgcttttc ttttgtggtt tctctggccc tgagaatagc atggggcttg taaacctttg 240
ggctagatcc ctcttttcat tgctgttgct tctgctcttc cctctcctgg ctgtggttat 300
ttattattag tgggtgaggc ctgggagctg ctcttaagga agcagggagc aaatcccacc 360
tttaccacac cttcctggga aagg 384

```

<210> 137

<211> 113

<212> DNA

<213> Homo sapiens

<400> 137

```

ctgtgcagaa agggctctgg agagatgttc atagcagcac acacctgagg ctcttcttcg 60
gttctggagg ctccagggca gccaatattg cttcgtcaaa tacattcttt agg 113

```

<210> 138

<211> 408

0920300-031034

<210> 142

<210> 146

```
<220>
<221> misc_feature
<222> 395
<223> n = A,T,C or G
```

```
<210> 147
<211> 653
<212> DNA
<213> Homo sapiens
```

<400>	147						
atccctagta	acggccgcca	gtgtgctgga	attcgccctt	agcgnngggcn	cgggcgaggt	60	
ccttcatttt	anctaagttt	agaattttata	ttacgcaact	atgatttgag	tggttattca	120	
ttgagtaatt	ttccactata	aagaatttta	ttgaacattt	attaaaaaat	aatgtaatgc	180	
atggtcaaaa	aatatgtaat	tcatgggtctg	gacactgacg	ttgtttaggg	atttagtcat	240	
caaggacagc	cctctgttgt	ttctaatagcc	gtactaatca	agactgtatg	gacacttgca	300	
tcttaagtac	taaggaatta	ctagtgattg	ttttatttta	tccatgtact	cttttagtat	360	
ttaataatta	aatacctatt	cttagtgttt	gacactccat	atttcttttt	tttggaatg	420	
aaacaaatat	gcagtccaaa	attcaggaac	tactagagtg	aaatgatatt	aagtggaaac	480	
cagagataaa	tgctgttaat	ttaacaagta	gattcttctc	caaagaatga	tgagtgatc	540	
ttgggaagat	aaatgttaat	gttcccaata	gtcaagcttg	tcttgcatga	gtgaaaagct	600	
taagtgaqta	cggatacctc	atttgaaaact	cagcctaggt	aaggaaqtga	aaa	653	

```
<400> 148
ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
ggtgcatctg tgtaatccca gctacttggt aggctgaggt aggagaattg cttgaacctg 120
gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
tgqaaactcc atctcaaaac aaaaaacaaa ctagacagc
219
```

<210> 149
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 304, 374
 <223> n = A,T,C or G

<400> 149
 gctaggtagg ggcaggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctgggtgcc ctggctgcct tcctgtgccc agaaaggaag gggctattgc 120
 ctccctcccag ccacgttccc tttcctcctc tccctcctgt ggattctccc atcagccatc 180
 tggttctcct cttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctccctccct gtccccaccc ctgcataagg 300
 cagntgttgg ttttcttccc caattctttt ccaagtaggt tttgtttacc ctactcccca 360
 aatccctgag ccanaagtgg ggtgcttata ctcccaaacc ttgagtgtcc agccttcccc 420
 tgttgttttt agtctcttgt gctgtgccta gtggcacctg ggctggggag gacactgccc 480
 cgtctaggtt tttataaatg tcttactcaa gttcaaacct ccaccctgtg aatcaactgt 540
 gtctctt 547

<210> 150
 <211> 281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 279
 <223> n = A,T,C or G

<400> 150
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgcacgg ttaggggtacc ggggccggtt aacatgtgtc actgggcagg cgggtgcctct 120
 aatctgggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctgnt a 281

<210> 151
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

<400> 151
 ccaggctggg tttgatctcc tgacctcaag cgatccactg tcctcggcct cccaaagtgt 60
 tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaat tgtcactttg 120
 agttctgaga aaaagtaaaa agccagaaga cactactagat atataaatat attactgctt 180

0950300.03404

```

aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgag 420
cgatgctcaa ggatcggtcc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataanac tctagggg 508

```

```

<210> 152
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 365
<223> n = A,T,C or G

```

```

<400> 152
cctgcgcctc ctgccttgcc gcctgcaaag caaagaaact gccttttatt ttttaacctt 60
aaaaagtagc cagatagtaa caagactggc tggctgatga gcaaagcctt tgctctcacg 120
cagaggaagg cttggatgta caatgaaact gcctggaact aaaagcagtg aagcaaggga 180
ggcaatcaca ctgaagcggg ttttctcca ggaacggggg cccacaggcg tgttgtttta 240
aataacctga tgctgtgtgc atgatgctgg tgcttgacca tgaaaggaaa gtctcatcct 300
taaaatgtgt tgtacttcac aatcctggac tgttgcttca agtaaacaat atccacattt 360
cgaan 365

```

```

<210> 153
<211> 203
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 196, 200, 201
<223> n = A,T,C or G

```

```

<400> 153
aaaggaaaag ttgattatgt atgtgggggt ccaggaccac tgccttgaaa gcaagtgtga 60
tttttatatt taatattatt ttatttgtgt ctgtgtacat attcatgtat aaattttatg 120
aaacccaagc atagtgttta ttttttaata aaacaactga cttaacacca aaaaaaaaaa 180
aaaaaaaaaa aaaagntttn ncc 203

```

```

<210> 154
<211> 646
<212> DNA
<213> Homo sapiens

```

```

<400> 154
aaaattttga caatctgctg ggtgctgagg gaggtacaca gggagcagat agcctctgcg 60
tcctcctggg ttttcttctt taattgcagg agctgggctg cttggatcag aggttccatg 120
gtctgaactg ctccactctg gtgaagggtt ctccccgaa gccactctc aagctgactt 180
atattgtacc tgagttgcat gcctgtgctc caagagcaga cgctcttccg caagagcagg 240
ttgttaagag tcaactgcgt gatcatgtag aagagctgtt tgaataacctg caggatgatc 300
tcagggtcca agccctggtc acacatgact gtatgaaagg cattcatctg gcggatgata 360

```

05900300 03104

gcttccaggc agtatgagtt atccccatct gccatgctgg aggagcgctt ccggtagccg 420
 gtgggcttca caccagatag accctgaatg ctctcatctt ccaacatggc agaaactatc 480
 atcggctgta acacgccctc ggcaatttta atgagctgct ggtagatctg aatggaaaagg 540
 tcactcagca cctgacggac ctgcccgggc ggccaagggc gaattctgca gatatccatc 600
 aactggcgcg ccgctcgagc atgcatctag agggcccaat tcgccc 646

<210> 155
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 155
 ccatggtggc gcacgcctgt aatctcagct actcaggagg ctgaggcagg agaattctctt 60
 gaacctggga ggaggaggtt gcagtgaagg aagatggtgc cactgcactc cagccttggc 120
 aacaagagtg agactctacc ttataaaaaa taaaaaaata aaaaaagtca aaattagctg 180
 ggtgtggtgg tgcgcccgtg gtctcggctt cttgggaggc tgaggcagga gcattgtttg 240
 aacctgggag gcggagggtt cagtgaagctg agactgcacc attgtagtcc agcctgcatg 300
 acagagttag actctgtctc aaaaaaaaaa aaaaaa 336

<210> 156
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 156
 ctgcctttga tcaagattcg ggtgcaagtg gagcaggagc catatacctg gagggaaatgt 60
 gctttgtcac accaaagagg attttttttt cttcaaactt gtatgttgcc taggtttcaa 120
 attctttgcc gcaaggctga tctgctttca ttaactggaa ttctgtagga gatactggtg 180
 acctaaagta agttgcactc agcatactca gtgtcaagct aatgaggttc tattataaag 240
 gttctacttt taatctgagg gaaaacatgt tcagggcttc tagaactacta aaaaatttgg 300
 cttaaaccag tgttcagttc ggtgccaaac ttcgaatgga atacaaattc acataatctg 360
 aactttgttc acaggttatt ctaatatagat aattcttcac tttgctctat tgaactgtct 420
 taaggatttg ttt 433

<210> 157
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 157
 aaatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtag 60
 ataaggttca aagtttcctt tccttttttt atttatttta ttttttgcaa tgtttttttt 120
 ccataatatt taagtttttc gatgttttaga tttttttctt cgggtgaagca caagtttctt 180
 ttcattggtcc ctgatcaatt ttaaacagtt ggaacaccgg tggcactgtt aactgttttc 240
 tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcac aaccttagaa 300
 cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
 atgccagtga ttttaccagc aagagttagg tgcatggctt gaataagagg aaacagcc 418

<210> 158
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 158

TCF20-3060260


```

aaatttatTTt tttagttttt cttttttgtc aacaaatgat tgatgaaata atgcaacacc 60
cttaaatTcc agaaaatggc atggtttttc caacctcctg tggatatggg gcatgatcaa 120
tctattatat aggattaata caagttcatg ctttttTgtg tatggtgaaa caacattaaa 180
gaatccaatt tagattgggt gaagcacaag tataataatc cttgaatgtg atcaaaccta 240
tttaagacac cagtttgctt tttctctgaa ccagagaaat gaaagtcagt ttaagaggct 300
gatagatctt ggccctgtta aggcattccac ttcacagtTc tgaaggctga gtcagcccca 360
ctccacagtt aggccaagaa ttagattttt                                     389

```

```

<210> 159
<211> 155
<212> DNA
<213> Homo sapiens

```

```

<400> 159
ctgagctgac cttactctga ggactaactc ttttgctgga agcggtttct gatttacagc 60
tcttggtttc tcccagacat gttgggtgga gagatgttgg tttttaaggg gttgttagat 120
ggagtaaatt ttcttttttt tttttttttt tttttt                                     155

```

```

<210> 160
<211> 555
<212> DNA
<213> Homo sapiens

```

```

<400> 160
aaaagtcatt caagagtctc attatTTTTg tttttattta acccttttctt caatacaaaa 60
agccaacaaa ccaagactaa ggggggtgacc atgcaattcc attttTgtgc tgtgaacata 120
ggtgtgcttc ccaaatacat taacaagctc ttacttcccc ctaaccctta tgaactcttg 180
ataacaccaa gagtagcacc ttcagaatat attgaatagg cattaatgc aaaaatatat 240
atgtagccag acagtttatg agaatgaccc tgtcaagctt cattattacg tggcaaaatc 300
cctctggccc acacagatct gtaattcact aggcctcgtg ttgctacaaa tagtgctaat 360
aaagttaaTt tgcacgtgca atacggaaca ctgtcaatgg actgcacctt gtgaaggaaa 420
aacatgctta aggggggtgta atgaaaatga tgtagacatt ttaagcattt tctacacagc 480
gagaaaactt cgtaagaaca tgttacgtgt gcaacaggta aacagaaatc ctttcataaa 540
gcaccagcag tgtttt                                     555

```

```

<210> 161
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 161
cctagatggc aaaacacatg ggctttTgtga ctccactact gacttccagg ctaagggaagg 60
actgacttag tgagctgttc caagaccact gagctcatgg ttccctgtgg ctggggacctc 120
catcatgacc ggggcttgaa gaggggtactc tgttcccgtc gccacatttg gaacagtatg 180
acggctgcag cagaggccaa aaactaagtg atcagcccca gagagtcgat ggggggacct 240
gacaaaccaa tcacaaagtt ggtgccatta gctcttaggg aggagaggtg gggcctgggc 300
aaggacagca g                                     311

```

```

<210> 162
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<400> 162

```

```

ctgtgatcca gcaccgaccc agccggcagt atgccacgct tgacgtctac aacccttttg 60
agacccggga gccaccacca gcctatgagc ctccagcccc tgccccattg cctccaccct 120
cagctccctc cttgcagccc tcgagaaaagc tcagccccac agaaccctaag aactatggct 180
catacagcac tcaggcctac tatgggtgtt aaatttttta ctctctctac aagggttttt 240
cctagtgtcc aaagagctgt tcctctttgg actaacagtt aaatttaciaa ggggatttag 300
agggttctgt gggcaaattt

```

```

<210> 163
<211> 643
<212> DNA
<213> Homo sapiens

```

```

<400> 163
aaaacttctg ggttctgctg gtccagacag tctttcagaa ttagaataaa atctgtcttc 60
cctttgtgga ggaagagttg aatcaggata tgattgccct ggtggaggaa acatcatcct 120
acggtcctgt tccaccggag atgacaggga cccagtgtca gaaggagccc tgtgaggatc 180
gattaacctg tcatagcttg gttctcctct ttcattggta atctgatggg ccaggggatt 240
ccctgggctg cttgggcctc ttctcctcc ccctggaagc acaggtgaga gtctgagtgg 300
atcctccaac aaagtttgag gagagggaaa agttctcggt tcagatgaag gccgacccaa 360
tggtgaggga ctacatgggg aatgctctct gccaaatgct gtatttgaaa catcgagtgc 420
attaggatct ttttctaaaa gttcaaattt caactctgtt tcagttaatt tttgtttgtt 480
gtgagcattt tctttcctta aatcactgag gtttctttca gcagtccgag ctgccaacca 540
attatcatgt cctcttttct cgtaggaaat aacctgcttt tgataaaaaat gaacagttct 600
ctccaattct tottcaagat ctttggttag ctttctatag gtc

```

```

<210> 164
<211> 636
<212> DNA
<213> Homo sapiens

```

```

<400> 164
aagattatga tcgctgagg cccctctcct acccagatac cgatgttata ctgatgtgtt 60
tttccatcga cagccctgat agtttagaaa acatcccaga aaagtggacc ccagaagtca 120
agcatttctg tccaacgtg cccatcatcc tgggtgggaa taagaaggat cttcggaatg 180
atgagcacac aaggcgggag ctagccaaga tgaagcagga gccggtgaaa cctgaagaag 240
gcagagatat ggcaaacagg attggcgctt ttgggtacat ggagtgttca gcaaagacca 300
aagatggagt gagagaggtt tttgaaatgg ctacgagagc tgctctgcaa gctagacgtg 360
ggaagaaaaa atctgggtgc cttgtcttgt gaaaccttgc tgcaagcaca gcccttatgc 420
ggttaatttt gaagtgtgtt ttattaatct tagtgtatga ttactggcct ttttcattta 480
tctataattt acctaaagatt acaaatcaga agtcatcttg ctaccagtat ttagaagcca 540
actatgatta ttaacgatgt ccaacccgtc tggcccacca gggtcctttt gacactgctc 600
taacagccct cctctgcact cccacctgac acacca

```

```

<210> 165
<211> 519
<212> DNA
<213> Homo sapiens

```

```

<400> 165
ctgtagactt gacctcaaag attccatcct caatagttag gattgacaca tcaaaagtgc 60
cacctcccag gtcaaagatg agcacgtttc tttctgctcc aacctttttg tctaagccgt 120
aagcaatagc agcagcagtt ggctcattaa taattctaag tacattgaga ccagcaatag 180
ttccagcatc tttggtagcc tgacgtgtag agtcattaaa gtaagctggc actgtgacca 240
cagcattggg aacagtcttc ccaaggtagg cttctgcaat ttctttcatc tttgtcagaa 300

```

ccatagaaga cacctcctct ggatagaagc ttttgggtctc tcccttggtat tctacttgga 360
 ccttgggcct gccagcatca ttcaccacca taaagggcca atgtttcata tcagactgga 420
 caacagcatc atcaaactctg cgtccaatca gacgtttggc atcaaaaact gtgttggtgg 480
 ggttcattgc aacttgattc tttgcggcat cacccgatc 519

<210> 166
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 166
 aaagtgaatg tgatgttgga gagagtggga aggaaaagta atggcaagta tgcttgctca 60
 ttaccaggca ctgtgctaag ctctgtgaat acacagataa gtaaaatcca cgctgtttct 120
 caaagaactc acaatctggt taagaagcag atgtctatac aataatttta taactattat 180
 tcaatgtgat tagtactcac atagctctat atagagtgtt atagaagaat aaattagaga 240
 atatctcatt tttcctccag tgggtt 266

<210> 167
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 167
 aaaatctctt cttcctcagg agtcagcttg gctcccttct tgcggcccag gggcagcgca 60
 tagtgggact cgtaccactg tcggtacggg gtgctgtcga tgagcacgat gcaattcttc 120
 accaggggtct tggtagcaac cagctcggtta ttagatgcat tgtagacaac atcgatgatc 180
 cttgtttttac gagtacaaca ctctgagccc caggagaaat tccccacgtc caacctcagg 240
 gcacgggtatt tcttggttacc tccccg 266

<210> 168
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 13, 515, 516, 517, 565
 <223> n = A,T,C or G

<400> 168
 ctgacttctt ttnaagttcc cacattagga cattgatcag atgtgaattt ttaattacaa 60
 toggcacttc ttcaaactg tactcaaagg tgatatttgc ttttttcaat gcttcagggg 120
 aaaaatcctt ttcttttaca acttccatca gtttaggagt cagtctgtat gccttttagtg 180
 agagagatcc ttgggcagtt tttatgggat cataaatgag aacgacagat tcttcaatgg 240
 catgctggta actaaactga gagtccagga gtgcccgggt aacgaatgag ccatagtatg 300
 tggactgata ccagcccacg tgaagatgat caatgtttac atggcgaagg ctccgcatca 360
 tttccatctg atattggact tcatcaaagt cagcatcatc ctctgtgtgc tgagggaaag 420
 gaaagcagtt ggtaatttca agccgatctt ctacaaccag acccaaaagc actccttgaa 480
 caacttcagt tccttgctc tcttcttgat aatgnnngat tatctttaat accacaaggc 540
 catctatctg cacttgcttc acggntg 567

<210> 169
 <211> 272
 <212> DNA

<213> Homo sapiens

<400> 169

```
ctgttgcattg ccaagttttt tgtgtgtgtg aaacacttca aaactgattt aaaagatgta 60
aatTTaaaga gaatgcaatt caaatcatgg agaattttt ctaaagaaaa tttcaatctg 120
cttttttgat ctgggctcac ttaaatagtg tgatcgatct atcccttagc tgaacaaatt 180
atacaaagca gcatttagac ttatattcac tctcaagtat caagagggtt tcagcctttt 240
cttactaact gagagattct tttttgggtt tt 272
```

<210> 170

<211> 345

<212> DNA

<213> Homo sapiens

<400> 170

```
ccaggcattc tctccctgcc ctctctggcc tctgggggtca tactcacttc tttagccagc 60
cccatccctt ccaccccaca cctgagttct tgcctcctcc ttttggggac acccaaaaca 120
ctgcttgtga gaaggaagat ggaaggtaag ttctgtcgtt ctttcccca tccccaggaa 180
tggacaagaa gccaaacttag aaagaagggt ctacagtggc tggcctggct cctccgtaga 240
cccctgttct tttcaacctc tgcccaccgc tgcatgtcat cacaacatt tgctcttaag 300
ttacaagaga ccacatccac ccagggatta gggttcaagt agcag 345
```

<210> 171

<211> 156

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 152

<223> n = A,T,C or G

<400> 171

```
aaacactgct tttagtatga tgtcaacacc agctatgcag aaagggctct ggagagatgt 60
tcatagcagc acacacctgc ggctcttctt cgatcctgga ggctccaggg cagccaatat 120
tgtatcgtca aatacattct tttttttttt tntttt 156
```

<210> 172

<211> 114

<212> DNA

<213> Homo sapiens

<400> 172

```
caaaagccct gcatttaata agtgggagat gtgggtcacag tggataaaag gagcacacat 60
aaaactttag agagggtgatt tcactagagg gagttttttt tttttttttt tttg 114
```

<210> 173

<211> 324

<212> DNA

<213> Homo sapiens

<400> 173

```
aaaatcactt tgggtggtgat tccaaattgg taccaagcaa actttctgga tgcccaacat 60
gattttcagt aaccaccctt tagagtattt gtttactaag ttcaccacat tttgaacatg 120
```

```

gtagtttttag actgcaataa tatttagact tacattatta cttactgcta agtaaaatct 180
aaatcctgca aatgcacaga attcaagctg aaatataatg atttatgttt agctcacatt 240
gaagtattgg ttggttactt atgtattaat gcagtgtgca ttcacattta atcagggtta 300
gtctgtttct attttaataa tttt                                     324

```

```

<210> 174
<211> 364
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 239, 262, 360, 361
<223> n = A,T,C or G

```

```

<400> 174
cagacacaca ttctgttgac aagggaac cttcaaagca tgtttctttc cctcaccaca 60
acagaacatg cagtactaaa gcaatatatt tgtgattccc catgtaattc ttcaatgtta 120
aacagtgcag tcctctttcg aaagctaaga tgaccatgcg ccctttcctc tgtacatata 180
cccttaagaa cgccccctcc acacactgcc cccaggtata tgccgcattg tactgctgng 240
ttatatgcta tgtacatgtc anaaaccatt agcattgcat gcaggtttca tattctttct 300
aagatggaaa gtaataaaat atatttgaaa tgcaaaaaaa aaaaaaaaaa aaaaaaaaaa 360
nttt                                     364

```

```

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<400> 175
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatcct atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggt ccataattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tatttagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgctgtatcc 420
tactcttgcc aagcagtgtt ccttgtgctt agcagtaaat gttgccta at ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatgt ggaaaggtaa ctggcctgct tg 532

```

```

<210> 176
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 176
aaacctaaat tttttaatta aatgcctggt caacaaagct aattggaaca aacacattta 60
tgtaaattta cattctagaa tgccagggtg aacaaggaga cgttattcaa agatgaataa 120
gaaagttcta ttctttttca tcatttgtgt gatcagggtg caaaggacat gcttttctct 180
ttgcttttcc taagccactg ctctcctgct cttcaggaat ctgattctct ttttcagaat 240
cttttagggg caacctaaag aattctccaa ttcttttttg ccacttggga gttgggcgca 300
cgcaaacggg gttccctcct gcataattat ttccagcttt cctcgatgaa actgatgtcg 360
aattagtggc agagggtggaa gaaccaagca cttttctggg ggctcgagca gccaccactt 420
ttctgtaagt gcctggaaca ctgtctgctt tagtccgcac catgttcaaa caagaagaga 480

```

ggagaggaga gaacgaactg acttcccagc cgagggtgtt tcac

524

<210> 177

<211> 357

<212> DNA

<213> Homo sapiens

<400> 177

cgaagatatg cccatgtggt gttgaggaaa gcagacattg acctcaccaa gagggcgagg 60
 gaactcactg aggatgaggt ggaacgtgtg atcaccatta tgcagaatcc acgccagtac 120
 aagatcccag actgggttctt gaacagacag aaggatgtaa aggatggaaa atacagccag 180
 gtcctagcca atgggtctgga caacaagctc cgtgaagacc tggagcgact gaagaagatt 240
 cgggcccata gagggctgcg tcaattcttg ggcccttcgtg tccgaggcca gcacaccaag 300
 accactggcc gccgtggccg caccgtgggt gtgtccaaga agaaataagt ctgtagg 357

<210> 178

<211> 420

<212> DNA

<213> Homo sapiens

<400> 178

aaatgtcttg tttcccagat ttcaggaaac ttttttctt ttaagctatc cacagcttac 60
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acatttacat tttctcccta 120
 tgtggtcgct ccagacttgg gaaactattc atgaatatc atattgtatg gtaatatagt 180
 tattgcacaa gttcaataaa aatctgctct ttgtataaca gaatacattt gaaaacattg 240
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300
 aaaccacacag gtactacaaa caaagtctga agtcagcctt ggtttggtt cctagtgtca 360
 attaaacttc taaaagttta atttgagatt ccttataaaa acttccagca aagcaacttt 420

<210> 179

<211> 366

<212> DNA

<213> Homo sapiens

<400> 179

cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc 60
 ccaaacatat aactgaactc ctacacacca attggaccaa tctatcacc tatagaagaa 120
 ctaatgttag tataagtaac atgaaaacat tctcctccgc ataagcctgc gtcagattaa 180
 aacactgaac tgacaattaa cagcccaata tctacaatca accaacaagt cattattacc 240
 ctactgtca acccaacaca ggcattgtca taaggaaagg ttaaaaaaag taaaaggaac 300
 tcggcaaadc ttaccccgcc tgtttaccaa aaacatcacc tctagcatca ccagtattag 360
 aggcac 366

<210> 180

<211> 187

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37, 177, 181, 183, 187

<223> n = A,T,C or G

0590306-03104

```
<400> 184
cctaagtcatt taaaaaatc tccctttgta acctcagtcg tggggactga ggcgagcccc 60
ctcaggtcgc tggagtcac cagtcttggg gaagaggtgc aggagaagct gtgtttttta 120
tctccacacg cagtatgaag ataaaattac atagtattac ctagacatag acagtattac 180
```

ctaggtagat gcactgctca cctgcaccct tcccagctct catttttggt aggtgatttg 240
 ggatagggat agtgttttgg ggtatggggg gagtgtttct gacctgcttt gcagacgtgc 300
 ctccgcacct cagcagtttg ggggtgtggcc ccaggggcgtt tcttgatgtg aaaagatgtg 360
 g 361

<210> 185
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 185
 aaaatactac atgacattct gtctattcaa tcacctgggtg gtcattcttc ttgtactaat 60
 taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
 ctttttcatg taactgtaac cttaaattgtat tacttctgat aaaactatat atcaaattgtc 180
 actgcaaatt agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttggtt 240
 gccatggaag ttatggccct gaaaatcgtc tccctccctt tctcttgctg tacagcatgc 300
 gttctctttt tgtggttgct ggctgggtac tgtattttaa gaagtagaga atagcacttg 360
 caaaaataca gtcttggtac ctagagactg tcaatgcagat agtataattt ggtatatgtg 420
 ctaatgcatt gagtagagga ttattttaac aactatttt gc 462

<210> 186
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 186
 aaatgcattc ttcacaagta attcagcata tatTTTTata tcatgtttac ttatgcttaa 60
 gaattaaagc aagtatatatt attactctga tggaaatgtg ggaaatctct cattcatgca 120
 atatacaggg ataattattca agcgaaggga aaattcccgct tttttatttt tgtaaatg 178

<210> 187
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 187
 ctggaggcca tcttcttgga ctaccagggg cggcaggaga tcttcttgca gcgccatgga 60
 cccctatctg tccacatggc ctgcctctcc ttcttcttcc tggctgcctg cagtgtctgcc 120
 accgcagccc ttctgaggca caaagtcaag gccagactga ccaagaaaga ttcttgaggc 180
 tggcaagtgg ggcaacgtgt ggaggaagcc cctcataatt tggagaaaac ttgatacaat 240
 agaagctgac ttttaaggca ttggctttt 269

<210> 188
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 188
 aaaatatTTa taaatatgcc ttaaagaaat acaaatgata acaattacat accgtatttt 60
 cttgcttaat ttctcttgta tttgtgtaga tacttttgaca tggaaatatat ggtgggggaga 120
 cccgtagtgt taccgccccca gtgggagggg gccctgggga ccctggtaat gcttttagtca 180
 aagggatatc tctcttgat cagaggctgt gtcttttagt aacaggagtc ctcgtcagaa 240
 ttgcgtgtct gttgtctcta aaagaatggg tgaaccaatc ggcttttggt aatttattca 300
 gtgccttctc tgtaccaagc actgggtaag gcacttttgt ggagcattag acagtaaccc 360


```

tcaaggagct agagaaccgg atgggagaca tgagcggtaa ttaactcact tgttccccag 420
agtttctatt tgttttgatt ttctttttct gtgacttatt ttcctatatt ctttcctcca 480
tgtaattttc actatggccc aactaatata aacacctgga aattacaagg aaaaaaaatt 540
cttcctctaa taactttcca aatc 564

```

```

<210> 189
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 189
aaaaattcct agataaattt cattcattaa ttttctatit tattctctat acccttcttt 60
gttttgctcg tcttcttttc ttccacaaa ttcccaagga caatccctaa aaaaactatt 120
agtcccagtg ttcggttgga gataaattta ttccaacaat cctcaggtct gtggatgtct 180
agagtgtaaa tctggtgagt cagatgggct cctacagcac ccagggcagc gtagtaggga 240
gcagtctgtc cactgttcac acccactagg ctcagtggcc ccagcattgc aacactgaag 300
ccactgagcc acggcttggt attttctccg aaccgcagag ccgttgactt aagaccaatc 360
aaaac 365

```

```

<210> 190
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 190
ctgggttttg catgatgatc tgatccactc taagtacagt gactgcagca ttagtagcga 60
gtttgatagc ccaatatttt ccaggttaag tatctagaat accagcttcc agcatgtcct 120
ttacagcagg gacttcagcc tcaatatcta atccaacgtt ttattttcct tcttgatgta 180
ctgcataaag tttagagatt acttcattgg ccttaactcc agagttttct gccagtgcgc 240
ggggaatagc ttcaaagtc tcagcaaaact tcttaatagc atactgttca agtccaggac 300
atgtctctcc atatgatgtg atctgttttg ctaattcaat ttctgttgct ccacctccgg 360
gtacaagacg tttatccctt gtaagaactt tgaaagtatt aacaccatcg ctactgccct 420
ttctatgtc 429

```

```

<210> 191
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 191
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 60
cttggctttg accatacaca ttctgcca gcccttacag aatctgcaca aagaaatata 120
tccctttgct ccagttaatt gttcttgat gtaagttgct ttctattcca gtatatccag 180
agtgggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 240
ggccatacct gaggagagaa tgtatgagat caaaaaagaa caaatgtttt attattactt 300
gagcacaagt gtaacctaag tatttctata ttaaagctta atgtgctttc ttaaagaatg 360
ccaaaagtgt aataaggcca taactgcatt tatcatgaac actaaaaatg tacacatttt 420
agttaatgtg cattaaactg taacaagggc ttctggcaat 460

```

```

<210> 192
<211> 291
<212> DNA
<213> Homo sapiens

```

<400> 192
ccattgtgtt gcctctgtta ctgtttgtat tgaataaaaa catcttcatg tgggctgggg 60
tagaaactgg tgtctgctct ggtgtgatct gaaaaggcgt cttcactgct ttatctcatg 120
atgcttgctt gtaaaacttg attttagttt ttcatctctc aaataggaat actacctttg 180
aattcaataa aattcactgc aggataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 291

<210> 193
<211> 485
<212> DNA
<213> Homo sapiens

<400> 193
ccaaagccat ccattccaag gctgccagga aatgaatgct gcccaacaac atctccattt 60
tgaagggtgg aatcattgaa gaaatcgga cttatggctc cttcagaggc aattaatcca 120
tctgagttgt agaaaaggctc aggtctttcg agaatactc cttcatgaat gtatggctca 180
attcgatcat caccatacaa gtactgctca ctctcatcca tctgacgact ctctaccatc 240
tccagccact gagagttatg ccagcgaaac ttttactct gaattttctt agcccattct 300
tcatcatatt ccgctataat atctaattgta ttatcacaga cctttcggtt ttcatatttc 360
ttatcatgca ttaggctctat gagatatgct ggagcctgtg tttccttgat tatgacgtct 420
cttgtggctt ggtggaaaac catctggtag aagacataaa ttatctgaca cacaaattca 480
tcatc 485

<210> 194
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 139, 163, 186, 190, 218, 302, 339
<223> n = A,T,C or G

<400> 194
ctgggtgctt ctgaaaccca ggagctgaac agtgaggagg ctgtccacct tgcttggctc 60
actgggacca ggaaagcctg tctttgggta ggctcgtgta cttctgcagg aaaaaaaaaa 120
ggatgtgtca ttgggtcatna tttttgaaaa ggggaggagg ccnaagttgt tcccatttat 180
ccagtnttgn aaaatatttg acccccttgg ctgaattntt ttgcaaaact actgtgtgtc 240
tgttcactac cttttcaggt ttattgtttt ttttttgca tgaattaaaa cgttttaatt 300
tntttgcaaa caaggtctaa atgcggagtc aaaaatggna ctgaatgggg agggatcctt 360
tgtgttctca 370

<210> 195
<211> 429
<212> DNA
<213> Homo sapiens

<400> 195
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtccctc gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgccat ctggctccag gggcctccag tccagcattc ctcttcttc 240
ccttgattgg gtggggccac atgatgggca gccaggtctt gggctgtccc actagagcag 300
gctgcaaaac cagccatgtt tcagtgaggc gttgatcttc ttccctggtg tcccaaccta 360

ccagtgccac gttacagccc agagtgagtt ctacaagcgt tgctggccta atggatgggc 420
 tgggggaag 429

<210> 196
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 196
 ctgggcccgc agtcggacct ggtgagatca gaggaggggg tgccaccagt ctgtggacga 60
 agatgagaag ctggaataga gcagaaaaca ggaggctgcc actctccatc tttcccaaag 120
 tcaactccagg agcaagggtg tcatttactg aaatgacaga ctctccattt cacatTTTTT 180
 ccccaagtgc agagtgcagg gaagcagatg ggctaaattt ttagagtcag ggttattaat 240
 gtatacttta catagtaaac tttccccttt taagtgtgca gg 282

<210> 197
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 197
 gccaacatgc catccagact gaggaagacc cgaaacttag gggccacgtg agccacggcc 60
 acggccgcac aggcaagcac cggaagcacc ccggcggccg cggtaatgct ggtggtctgc 120
 atcaccaccg gatcaacttc gacaaatacc acccaggcta ctttgggaaa gttggtatga 180
 agcattacca cttaaagagg aaccagagct tctgccccaa tgtcaacctt gacaaattgt 240
 ggactttggt cagtgaacag acacgggtga atgctgctaa aaacaagacg ggggctgctc 300
 ccatcattga tgtggtgcga tcgggctact acaaagttct gggaaaggga aaagctccca 360

<210> 198
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 198
 ccagtatgtc cccaggatta tgtttggtga cccatctctg acagttagag ccgatatcac 60
 tggaagatat tcaaatcgct tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 199
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 199
 ggccacatgt agacagctag gtcagtgttt tttcctctta gggtttcttt gcagaaagaa 60
 acctccagca agggaagaga ggtgtgtgtc cacaggaagg ggctccgtgg ggatcccatg 120
 aagggaattg agctctttca gctccatgtc atttaacttt ttgttttaac caccttggtc 180
 ttctctcctt ttttgctgtc ctcttacgg accagttacc agattcagag gctaatagtt 240
 agttacttgt taatgctagt cacagccagg aggtcagaag gaattttcta cttctggatc 300
 caaatgttac ctcttagggg aagttatgcc ccctcaacta ttgtcttatt ataataatc 360
 tttccttttt ggtcctttta agtaaccact caaaactttt catttactg aa 412

<210> 200
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 200
 ccaacaggta tataaaaggg tgctcaacat aattaatcat caaggaaatg catataaaaa 60
 ccactcgaag tactatctct caccagttag gctagctgtt atcaaaaaaa acaaaagaca 120
 acaaatgttg tgatgggtgtg gaataaaagg aactctgtgc actgttggtg ggaatgtaga 180
 ttggtacagc cattatggaa aacagaatgg aagtttctaa agaaaaataa aactaccata 240
 cgatccagca atccctcttc tgggcatata ctcaaagtaa atgaaatcac caccttgtaa 300
 atatatctgc agtccgtgtt cattgcagca ttattcatag tagccaacat ggagacaact 360
 gaagtgtccg ttgacagatg aataaagaaa ctgtgtatat atatgcctac acacaatgga 420
 atattattca tccctaaaaa aaa 443

<210> 201
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 201
 ccaaggtcag aggtgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcactg cccagagtga tggcattggt ccggtatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccgggaaga gcagtccatt gttttcagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacct acgagcatga cgacgatcgt 300
 ggcttcagca tggcataga gctccttcag ccacgcgtcc accacagcat aggtctgggtg 360
 cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
 aagttataat cttcctcag 439

<210> 202
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 202
 aaatgcactg acatttttat ttcttgcaac ccgagttaaa ttcacgtttc atttcctaca 60
 gaatgcaaaa aagacatcca caaggcaact ccacttctaa gttacaaatt actagatgtt 120
 agaaaacttt ctggaaggac agtgcaactat tttttatttt ttgagacaga gtcttgctct 180
 gtcgccttgg ctactgcaa gctccgcctc ctgagttcac gccattcttc tgcctcagtc 240
 tcccagtag ctgggactac aggcgcccgc caccatgccc gactaattct ttatattttt 300
 agtagagacg gggcttact gtgttagcca ggatgggtctc gatcttctga cctcgtgatc 360
 cgctgcccc ggccttccaa agtgctgaga ttacaggcgt gagccaccgt g 411

<210> 203
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 203
 cactgagcca gcaggtgcca gggagccact cgccccccat agcttctgca cacctcagac 60
 tcaccccatc accttggcag caaagcactg gctctgccgt ctgaccctg atccaggcag 120
 cccctccgc agagaaaagg gttggggaga agcctctgca gtcctggaag atgtgggggtg 180
 ctgggtgaga ggcatcagcc cccacaagta tgtttttgtg tcttaagata gcagtttact 240

```

ttgaaaaagt gaaaaaggct tccgggctgt cctctgcccc gtgagatgga ggacgctaga 300
gaaagtgtctg agtgtcccca gagaggcccc cgagccagtgt catggagggtc cttcggcctg 360
gctcag 366

```

```

<210> 204
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32, 339, 363
<223> n = A,T,C or G

```

```

<400> 204
cctgtgccat ctggttccac attcagggcc tncactatgc catcctgtac caccatggag 60
aacctcttga gacgtcgatt cccaaagatg gacaccagcg aatcatctag taataagtct 120
gtctccttcc caaaggcccc agtgggatca gccaggagcc gaaccttgcc ttccgccttg 180
tgggctcggc cccactcgcc agtcacaaag gcatcattaa cactcagaca ggccaccacc 240
tggactccct tggccttcag agcctcagcc tgctccacaa accctggcag gtgtgtcttg 300
gaacatccag gggatgaaggc cccaggaact ccaaacagna cacccttctt gcccttgaac 360
agntctgccg gggtcacctt gttccctggc tccccttcaa acacctccac tgctgggatg 420
g 421

```

```

<210> 205
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<400> 205
aatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
cacatagtcc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttaga 180
tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgcat 240
atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
agggtttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
ttcttcactt tctcctcat catcagatcc aaagagggtca atgtcatcat catctttact 420
atctgtagct ccacttcctg tagtgtcttc cacatcggca ggaccatatt tgcccaaagc 480
tttcttcaact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
acgtagggca tgacacaagt c 561

```

```

<210> 206
<211> 274
<212> DNA
<213> Homo sapiens

```

```

<400> 206
ctgagaattc gtccgctccc gaggctgagc agggcggggc tgagtaaatt ccggcttacc 60
atctctacca tcatccggtt tagtcatcca acaagaagaa atatgaaatt ccagcaataa 120
gaaatgaaca aaagattgga gctgaagacc taaagtgtt gctttttgcc cgttgaccag 180
ataaatagaa ctatctgcat tatctatgca gcatgggggtt tttattattt ttacctaaag 240
acgtctcttt ttgtaataa caaacgtgtt tttt 274

```

```

<210> 207

```

<211> 554
 <212> DNA
 <213> Homo sapiens

<400> 207
 cctgggtggg cccttgtccc ctgcaacaca ggtcagcgcc aacccccacc tggctctgggc 60
 ctgatcaagt ggggagagga gcctttgcag gctgaatttt cgcagcatgg acccagaact 120
 tccaatacta tgttgaatag gagtgggtgag agagggcatc ctgtcttctg gccggtttcc 180
 agcttttgcc ccttcagtat gatattggct atgggtttgt cataaatact cttattattt 240
 tgagatatct tccatcagta cctagttagt tgagagtttt tagcatgaag ggggtgttgaa 300
 ttttgtcaaa gaccttttct gcatctattg agataatcat gtgggtttttg tctttgggtc 360
 tgtttatatg ctggattaca tttattgatt tgtgtatgtt gaaccagcct tgcacccag 420
 ggatgaagcc cacttgatca tgggtgataa agctttttga tgtgctgctg gatttgggtt 480
 gccagtattt tattgaggat ttttgcacat atgttcatca gggatattgt tctaaaattc 540
 tctctttttg ttgt 554

<210> 208
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 208
 ccatcattga gtatctagag gagacgcgtc ccactccgcg acttctgcct caggacccaa 60
 agaagagggc cagcgtgcgt atgatttctg acctcatcgc tgggtggcatc cagccctgc 120
 agaacctgtc tgtcctgaag caagtgggag aggagatgca gccgagctcc acgctgatct 180
 gaagatacag gagagggacg aactcgcctg gaagaaacta aagcttgacg gcttggacga 240
 agatggggag aaggaagcga gactcatacg caacctcaat gtcacattgg 290

<210> 209
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 209
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tgggggtggg aaaatttttg aggggtggta gggagagaga atgggcatg tttctcaggg 120
 ctgcttcaag tgggattagg ggcagcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaaaggg tgatattgtg gggatgtaag aagaaacatt tgtcatatag 240
 aatgattggg gatggcctgg atacggtttt ggatgaattg agaaactaaa tggataaca 300
 gaaggagaaa aacagggtata aaagggtctaa gaattgggag gacctaggat atctgattag 360
 agagtgccta aggagattca gcagagtcct gccagcaaag attatttatt tacttcaaga 420
 gtt 423

<210> 210
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 210

```

ctgcacatca aggacatctt cggaagtgc aggattgccg tagctaaact gaaaaccacc 60
atccatggac tctccaaacc aaacgtgttt cttctcagca ctagaatctg tccaccagtg 120
tttccgtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcattc ttggttaggg tcaaccaggt attctnact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctacgagggt ttttacgaga 300
accatcagga ctaatgaggc tttctatttg tccattaaca gacttgagtg aagtcataat 360
ctcatcggtg ttgattttga aatccattgg ttcattctca taatacgggg caaaactgcc 420
agctttttca cctccaatcc cagcaatggc agcgggtcca ac 462

```

```

<210> 211
<211> 589
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 540, 582
<223> n = A,T,C or G

```

```

<400> 211
ccacaggggc tcacctgggc cccatggctt ttcacctaac tgggtcctgc cccctcccc 60
atgaccttca ggagcaccac atattatttc caaaaatatc ttggacagac aaggaccaa 120
atgcaaaaat ctacgaggac tcgataatct gctgctgat gttccttctg tggctgtgtc 180
tattttcagt tctgctctaa cacggcatgc ctttctcag cccaggaaac agcatgtgg 240
tcagagaaaa gagcgacaag gaaaagttag gactcctgag gtccgaacag gggcttctgt 300
tgcccaactt acaacaccca gtgatcaccg gtgtgcaatt gcctccttgg ctctgaggg 360
tggtttgctc tcccttttct catcattggg gttagcgggt gcagacaaat tcagcaatag 420
tatgcagatc agccccctac cacctcattg ttctcatctg gaactgaaac tttctggatt 480
tctcttgaag tgctacactg cactgaatgt aaggaattgt tgcttgtgga agtttctcan 540
cgtttctggc tgtcttaggg ctggcctcag aaccagcat tncgtttac 589

```

```

<210> 212
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 212
ctggatacga ttcagggtga actaaatgca cctactcagt tcaaggtaac cacttctaag 60
accataattc taaaatttgt ttcagggtga tctgcagaca aaaagttatg taatcttcaa 120
gcaggaattt tgtatacttg tgtttcttat ctccaattag aacttccttt cttaaagtaa 180
ctcagtcatt gttcttttgg ctagtattag tgtttcgaat ataattgaca gagagagaaa 240
tagaaatttt taatagatgg ttttgaaacc atcctttcag aagaaaacat tgtcttttac 300
aagtcttctg cggcagttgt aatttgactc agtcttaact tttagggccg actaaatgaa 360
ttgatgtctc aaatcaggat gcagaatcat tttggagcag tcagatctga agaaaggat 420
tacatagatg cagatctgtt acgagaaatc aagcagcatt tgaaacaaca acaggaagg 479

```

```

<210> 213
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<400> 213
ctgccttctt cttgacagct tcttttagagt ctttttgtac ttgtacctgg gccagcttcc 60
aacggttgct gatttcatag attttggttg atggatcgaa cttcgtgcc tgagagacgg 120

```

09960300.07340

gagcacggtg tcccagtgag ggcagaaaca tcctaaatgg attttcaaag gactccatga 180
 tgttctgggc ttttttctgt gcaactgtca atggaccctt tttactgtct tcagcactag 240
 gttcattaaa taacgtgatg acag 264

<210> 214

<211> 219

<212> DNA

<213> Homo sapiens

<400> 214

ccaacatggt gaaaccccat ctctactaaa aatacaaaaa aaatattagc caggcatggt 60
 ggtgcatgcc tgtaatccca gctacttggg aggctgaggt aggagaattg cttgaacctg 120
 gaaggcggag gttgtagtga gctgagattg tgccattgca ctccaacctg ggcaacaaga 180
 gtgaaactcc atctcaaaaac aaaaacaaaa ctagacagc 219

<210> 215

<211> 586

<212> DNA

<213> Homo sapiens

<400> 215

ccacctcaag atgaaaacag ataactccct aaatgttaac tggctctact cccctaatat 60
 taaacataaa aaccacatgg gaaatataga aattcaaata gaagtaacat aaacctgtca 120
 taaatcgtaa acaaaaaact atttgtggga cagcatggat gacaaatggg ctactgtgta 180
 aattttagaa tgaggcagac aaaagttaga aggccgggta attttcccct cttctcctg 240
 cttcagcttc gtctccttgg gtatccgatg tccacaatgt caagttgtct ctcaagtaatt 300
 gcattattag cgtgctgtct ttgtatgact cttaacttaa tgtatcaagt tcagcaatgg 360
 cttcatcaaa agctgtcttt gcaagagagc aggctttctc tggggaggtc agaatctcat 420
 aatagaacac agagaagtta agggccagac ccagtctgat aggatgtgtt ggttgcat 480
 cctttttgct gatttcaaaa gcttcttggg atgcttgttg tgactgatcg acaatccctt 540
 tcttgtcatc accagcggca acctcagcca agtaacggta gtaatt 586

<210> 216

<211> 501

<212> DNA

<213> Homo sapiens

<400> 216

aaattcttca ttttaccagc aactgctgac atcaaagtct cccctcccc aacaacaaaa 60
 atacaattaa aaaaaataaa taataaagtc atttgtgatc gttgctgtgg ttctgagctg 120
 caaaggcact ttcaaataca gaactacttg tacgtcatca taaaaccaat atacaaaaaac 180
 aactcaagag tcaataaata taaataaaac tatgatctaa gactgcatca ccattaggac 240
 atctggcaga agtgggagct caaagaccag ggggctgggc aggctcctgg gagcctgac 300
 cgagaccgtg tcggctgcaa ggggacacac aaccagggtg ctggtgacta gctttttgca 360
 tagctgtgag atgcggcact cgatttccca gccaaaccaca gaaactacca ttgccagtgt 420
 aagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
 tcgagtatga cagcacagtt t 501

<210> 217

<211> 62

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 43
 <223> n = A,T,C or G

<400> 217
 aacctactag agtctcaata tctgctggtt accaccattt agntacaaga gaaatgaatg 60
 aa 62

<210> 218
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 218
 aaatctttgt cattcacaga cagttgtttt gcttcttctt taaagcattt gcaacagcta 60
 cagtcctaaa ttgcttcttt accaaggata ttacagaaa agactctgac cagagatcga 120
 gaccatccta gccaacatcg tgaaacccca tctctactaa aaatacaaaa atgagctggg 180
 cttggtggcg cgcacctgta gtcccagtta ctccggaggc tgaggcagga gaatcgcttg 240
 aaccocgggag gtggagattg cagtgcagccc agatcgccacc actgcactcc agtctggcaa 300
 cagagcaaga ctccatctca aaaagaaaag aaaagaagac tctgacctgt actcttgaat 360
 acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg aactaactga 420
 cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt catgggacta 480
 aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc tgattcttt 539

<210> 219
 <211> 253
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 157, 163
 <223> n = A,T,C or G

<400> 219
 aaaatggtgc cctaccattg acacatgcag aaattggtgc gttttgcttt ttttttctt 60
 atgctgctct gttttgtctt aaagggtctt aggggtgacc atgttgctgc atcatcaaca 120
 ttttgggggt tgtgttgat gggatgatct gttgcanagg ganaggcagg gaaccctgct 180
 ccttcggggc ccagggtgat cctgtgactg aggtctcccc tcatgtagcc tccccaggcc 240
 cagggcctg agg 253

<210> 220
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 220
 ccagccggta tggccggctc tgcttgatgt ccacgctggt gatgactttg ttgtgtcctg 60
 taatctcgcc cacagaagag ccactatccc agaggaagac tgctccaaac ttctcccttc 120
 ctccccgac cacggcgatc ctcttactgt cttcagtcga agcaatgtct ttgatcttcc 180
 cagcgaaagg ctggtactca tacttcaaca ggtgctcctt ctgcgtggta tcccagatcc 240
 tcagcttccc agacacatct ccggaggcaa tgtagaatcc gctgggcgca tacttgg 297

<210> 221

<211> 580
 <212> DNA
 <213> Homo sapiens

<400> 221
 ccagagcttc atccagagct cactggaagg tggcttggca ggaagagggga atcttcctac 60
 agccctcctc caagggggac agaggctggg ggcagagaag gaggcattta agctttgcta 120
 gcctcctgct gcctctgagg ctgtaggaca cgtcattcaa acctaccatc aaagtaggct 180
 tctgatttca acttggatct cacggtagcc cagtgcacacc gcagcagcca tgatgggatg 240
 taggcaggag agcgggtggcc tggaaaaccgc ttctagacaa tcctgtatta tttagatcta 300
 catagagata cagcaaaaacc ctttatacca aataagagta aataattata ccaatataaa 360
 caggggccgtt gacccttttca ttttattaaa atggcacata attattaaaa cagcatactg 420
 atcactttat acttctgcta gccccaggg gagctgctgg gggcggcatg tgagtgcctt 480
 cccgaagggt acagattcat gcattgagca attcgtgttc tttatcgatt ttcccaacag 540
 catcaggatt tgagagtggg tcgaggtcag cgaagaggct 580

<210> 222
 <211> 548
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 303, 304, 374, 377, 451, 540, 542
 <223> n = A,T,C or G

<400> 222
 gctaggtagg ggcagggtggg tgatctctaa gctgcaaaaa ctgtgctgtc cttgtgaggt 60
 cactgcctgg acctggtgcc ctggctgcct tcctgtgccc agaaaggaag gggctattgc 120
 ctctcccag ccacgttccc ttctcctcctc tccctcctgt ggattctccc atcagccatc 180
 tggttctcct cttaaggcca gttgaagatg gtcccttaca gcttcccaag ttaggttagt 240
 gatgtgaaat gctcctgtcc ctggccctac ctcttccct gtccccaccc ctgcataagg 300
 canntggttg ttttcttccc caattctttt ccaagtaggt ttgtttacc ctactcccca 360
 aatccctgag ccanaantgg ggtgcttata ctcccaaaacc ttgagtgtcc agccttcccc 420
 tggtgttttt agtctcttgt gctgtgccta ntggcacctg ggctggggag gacactgccc 480
 cgtctagggt tttataaatg tcttactcaa gttcaaacct ccacctgtg aatcaactgn 540
 gnetcttt 548

<210> 223
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 223
 ccacttccat gccctctcca gaccaggaga cacctgctgc tgacctcgtg gaaaacttag 60
 attttgacat tctgatgctt cggaagtggg ggctcctcct ccctcacccc tccgccacct 120
 gtgggcctcc tctctgcac tcaagagaac aaccagatct ttggactcct ggggtgtgtg 180
 ccattgcaatt tagacgaagt gctttgaaaa tatgccattc agtctctgac taggaaaata 240
 agtctgacct gataggctg atgtcatcag ctcttcaaca tgagacaaa gaggggattt 300
 tatgttttga gtcattagaa tgatataata attttctgaa ttgacatctg gatgttgaaa 360
 ttaggatggg gcaaaaagggg tccagggcct caggctgggc gcagcagcca gctcccaatg 420
 acgcagaagc tgcttcaaaa cccctcaac aaagaggggc acatgcaagt caccaaagt 480
 ggaagccttc accaaggcca cacccaaagt ctactgattg tctgtctaaa gttcgttgat 540
 tcctgg 546

<210> 224
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 428
 <223> n = A,T,C or G

<400> 224
 ctgaaccctc gtggagccat tcatacaggt ccctagttaa ggaacaagtg attatgctac 60
 ctttgcacgg ttaggggtacc gcggccggtt aacatgtgtc actgggcagg cggtagcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggttaaga ttgcccaggt 180
 tccttttact ttttttaacc ttcccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggttg attgtagata ttgggctggt aattgtcagt tcagtgtttt 300
 aatctgacgc aggcttatgc ggaggagaat gttttcatgt tacttatact aacattagtt 360
 cttctatagg gtgatagatt ggtccaattg ggtgtgagga gttcagttat atgtttggga 420
 ttttttangt agtgggtggt gagcttgaac gctttcttaa ttggtggctg cttttagg 478

<210> 225
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 225
 cctcgtgggt catgggcccgg tagtcctggg gttcacagaa gttcgggtgc tgagggaaga 60
 actccttgta gccgcctttc aggatataca tctcagggtg gtagaggctg gggtagtcgt 120
 tgacagcacg gtctcgttcc ctgatgaaac ggcacatgcg gggcccacgc tcagatgaga 180
 attcacagtg gaaaatgagg atgactctct tgtccaggct acagggcgcg atggggctct 240
 tcagtaggaa gctctcggcg tcgcgttcca ggggcaagtt caccgcagtc ttgatgtgcc 300
 cgccttcata ttcatagggg tatctgcagt ctacaatcac aaacttatcc acgatgttgc 360
 tgaacttgcc cgtcaatagg gccaccatcg tttctggtga gatgtacttg aggtcttggt 420
 gctttccgtc tactgtctgt aggaggaagg 450

<210> 226
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 226
 cctgtgtcca ccacacctgg gatcattttg atagctgtat tcaacttcaact ccatttgtgt 60
 acccgggtcaa acttccagtc caagataaaa ttcccattat ctgtcaccac aggaccagcc 120
 ttgttgacag ccatttcgaag ttcaaccacg ccccaaaact tctgggtcac agctcggctc 180
 actgggacat aggccattgg gatgacctcg atggggattc ccttgtgcca ctgatccccg 240
 agattcttcg aatcttttct gaaatcagcg atcacgatga agcgactagc atagccagcc 300
 acaatcttct cctgggtcag gcagcctccg ccacccttga tgagattgag atcagcatct 360
 acttcatcag caccatcgat ggcaaggctg atctctgggt gtcgatccag atcactgagg 420
 gtcaagccat actgcaggat gagctggcg 449

<210> 227
 <211> 568
 <212> DNA

<213> Homo sapiens

<400> 227

```
ccttcatttt agctaagttt agaatttata ttaggcaact atgatttgag tggttattca 60
ttgagtaatt ttccactata aagaatttta ttgaacattt attaaaaaat aatgtaatgc 120
atggtcaaaa aatatgtaat tcatggtctg gacactgacg ttgtttaggg atttagtcat 180
caaggacagc cctctgttgt ttctaatagcc gtactaatca agactgtatg gacacttgca 240
tcttaagtac taaggaatta ctagtgattg ttttatttta tccatgtact cttttagtat 300
ttaataatta aatacctatt cttagtgttt gacactccat atttcttttt tttggaaatg 360
aaacaaatat gcagtccaaa attcaggaac tactagagtg aaatgatatt aagtggaaac 420
cagagataaa tgctgttaat ttaacaagta gattcttctc caaagaatga tgagtgattc 480
ttgggaagat aaatgttaat gtcccaata gtcaagcttg tcttgcagta gtgaaaagct 540
tagatgagta cggatacctc atttgaat 568
```

<210> 228

<211> 580

<212> DNA

<213> Homo sapiens

<400> 228

```
ccaggctggt tttgatctcc tgacctcaag cgatccactg tcttcggcct cccaaagtgt 60
tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
aagagccacc agacttctag gtaggtttac atccatcatg ttctcttga ctgcctttgt 300
ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgca 420
cgatgctcaa ggatcggtcc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
gtccaaaagg aaaataagac tctaggggct ccagataata aggtgaagc aagaagcatt 540
tcatttgcac atctttcttg gacttgggat atacagttcc 580
```

<210> 229

<211> 228

<212> DNA

<213> Homo sapiens

<400> 229

```
ctgcctgagg aagttgatct cgtcggtcag cccttccagg cgagactcca gctctacctt 60
gttcatgtaa gtttcatcca catccttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttggt cttgaagtcc tccaccagcc cctgcatggt 180
gccaagctcc gcctccagct tcagcttctc ctggcccaga gtctccag 228
```

<210> 230

<211> 149

<212> DNA

<213> Homo sapiens

<400> 230

```
ccatattgac agaccaatct atgggactag ggggattggc atcaagttga cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cgggcttcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149
```

<210> 231

<211> 503

<212> DNA

<213> Homo sapiens

<400> 231

```
ctgctgtggt tgcctccatt acaacgggct atacggtgaa aatcagtaat tatggatggg 60
atcagtcaga taagtttgtg aaaatctaca ttaccttaac tggagtccat caagttccca 120
ctgagaatgt gcagggtgcat ttcacagaga ggtcatttga tcttttggta aagaatctaa 180
atgggaagag ttactccatg attgtgaaca atctcttgaa acccatctct gtggaaggca 240
gttcaaaaaa agtcaagact gatacagttc ttatatgtg tagaaagaaa gtggaaaaca 300
caagggtggga ttacctgacc cagggttgaaa aggagtgcaa agaaaaagag aagccctcct 360
atgacactga aacagatcct agtgagggat tgatgaatgt tctaaagaaa atttatgaag 420
atggagacga tgatatgaag cgaaccatta ataaagcctg ggtggaatca agagagaagc 480
aagccaaagg agacacggga att                                     503
```

<210> 232

<211> 253

<212> DNA

<213> Homo sapiens

<400> 232

```
ccaggctggt ctcaaactcc tgacctcaag tggccacccc gactcggcct cccaaagtgc 60
tgggattaca gttgtgagcc accatgcccc gcccccact tgtaaacttc ttaaattgcag 120
gaactgtatt ttattaatct ttgaatcaat attatctagc accatggcta gttaattata 180
tatgcttcat aattacctct ttaaaaatct taaaattgag agatgagttg aggggtctaaa 240
ttgcctttca act                                     253
```

<210> 233

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 442

<223> n = A,T,C or G

<400> 233

```
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgccg gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cggttgctttc ttgaggctct tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccaggga tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggtcttgtag attttggtta gtttttcccg aatttctgtc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccatttggtt cctctgaagt agtcgggttg gtcatgaact 420
ttctagtgcg gatagttacg gngtcgttca tgatggcgat ctatcttc 468
```

<210> 234

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 39, 79, 217, 225, 309, 328

09920300-073404

<223> n = A,T,C or G

<400> 234

```
ctgaaggagc cggggagcag aaagtatatg cgtnaggtn  gaggaagaaa atagattttg 60
gaagttatga gaaatgtana gagtgaagtg agcatagttt gtgattttga gggcctctaa 120
cagtattaaa gtagcggcag tgcctgcaca cagacatgat ggctaggcta aaacagggaag 180
gtcaagttgt ttggacagaa aggctacagg gtgcagncct ggctnntgtg taagaattct 240
gaccacacta accatgccta ggaaggaaaag gaggttgttct tttgtaaggg attgaggttt 300
gggagattna tcggacaccg atcagcangg agagcacctg tgtttttatg agaa 354
```

<210> 235

<211> 538

<212> DNA

<213> Homo sapiens

<400> 235

```
aaaaaaagca acttccaggg ttgtcattgt acaggttttg cccagtctcc tatagcatgg 60
tatagtata actgattttt tataacaatg actcagaggc attgaagatc cataactatc 120
ttctgaatta tcacagaaaag aagaaagtta gaagagttta atgttaagtg tattaataat 180
catattctaa ttcttttaat ttggttatct gagtatgata atataggaga gctcagataa 240
caagaaaagg caattgggta gaacactcca ttcccacagg atgtgcatta acagactttt 300
tactgcatat gtctttatat agtttgcaaa ctaattcaac cattttacac agcattaatt 360
ttttttttaa ctgggttgac attgggctga aacatttgct tatcatctta taattatttt 420
ttcctgttct ttaatggatt ttacccccat ctgacatagt gtttggactt tagtgtatgt 480
gacacttcaa gatcatctct gccatttctg atgatagtta caatgagggt acccatgg 538
```

<210> 236

<211> 411

<212> DNA

<213> Homo sapiens

<400> 236

```
ctgttaaaaa tgactacgag atgaccttca ataacgagac ttccgtcatg cctgtgagg 60
acgaccatca ttacctaag gttcagtttg atttcacggg gattgatgac ctcgagaaca 120
agtcgaaaga ctacttgta gacatcatcg ggatctgcaa gagctatgaa gacgccacta 180
aaatcacagt gaggtctaac aacagagaag ttgccaaagag gaatatctac ttgatggaca 240
catccgggaa ggtggtgact gctacactgt ggggggaaga tgctgataaa tttgatgggt 300
ctagacagcc cgtgttggct atcaaaggag cccgagtctc tgatttcggt ggacggagcc 360
tctccgtgct gtcttcaagc actatcattg cgaatcctga catcccagag g 411
```

<210> 237

<211> 372

<212> DNA

<213> Homo sapiens

<400> 237

```
ccactttctg cccaggagg aggcatttct ggagaggcta gtgtgcattc atgtcttccc 60
atctgacaga gtatcctgaa atcagaccaa gtctgaaaaa ctccaaaaat gggaagtatc 120
tgggaaaatg cactcttccc tctcctgtag ggtctcgtcc cgcttctgcg gtgtggtggg 180
tctggagaag tctgtagaga agcactgcgc ctttgcaagt tcttctgaag aagaagaggc 240
gggatctcat ttgcttttga ggagtcgggt gtctcctggc acggtcgcac gttgtcacga 300
atccagtcta ggtagttggt aaccttggtg tacacacccg ggacatcctt ctgtccacag 360
cccaggcccc ag 372
```

0990300"03404

<210> 238
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 238
 ctgctcagag tctccattg gtcagatgag aggtggggat gtgacaaggc aggctgttta 60
 gcacagtgac atgagcactg gcttttagagt ccactgagct tgaattccat ttccgccact 120
 tgtagctga tgccttgag caagtgacct cacctctctg agcctttgtc tcatctgtaa 180
 gatgggaatg atagaaaaca tgcctcatgg gacttttcaa ataactaaaa gtagaatgtc 240
 cattcaaccc agcaatccca ctactcggta tctacccaaa ggtaaagaaa tcattctatc 300
 aaaagacacc ggcaactcgt tgtttatcgc agtacgattc acaatagcaa agtcatggaa 360
 tcaacttaag tgcccatcag tgtgaactgg ataaagaaa tgtggtatat ctacacccatg 420
 gagtattatg cagccataag aaagaatgaa atcatggttg cag 463

<210> 239
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 239
 aaatgtctgc atgcagccag ccatcaaata gtgaatggc tctctttggc tggaattaca 60
 aaactcagag aaatgtgtca tcaggagaac atcataaccc atgaaggata aaagccccaa 120
 atggtggtaa ctgataatag cactaatgct ttaagatttg gtcacactct cacctagggtg 180
 agcgattga gccagtgggt ctaaagtcta cactactcaa ctgaaatgtt aaggaggaag 240
 atagatccaa ttaaaaaaaaa ttaaaaccaa ttt 273

<210> 240
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 240
 ccaccggggt tgacctctct cgctagcagg gccacccag ctcaactcccc gcgtctttcca 60
 tccccctctag gattcccatt gtccccact ccagcactag gcaggcacc cagccccact 120
 gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgctc 180
 tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238

<210> 241
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 241
 cctacacgcc gccgtttgtg ctgcagccat gtctctagt atccctgaaa agttccagca 60
 tattttgcga gtactcaaca ccaacatcga tgggcgccgg aaaatagcct ttgccatcac 120
 tgccattaag ggtgtgggcc gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180
 cctcaccaag agggcgggag aactcactga ggatgagggt gaacgtgtga tcaccattat 240
 gcagaatcca cgccagtaca agatcccaga ctggttcttg aacagacaga aggatgtaaa 300
 ggatggaaaa tacagccagg tcctagccaa tgggtctggac aacaagctcc gtgaagacct 360
 ggagcgactg aagaagattc gggcccatag agggctgcgt cacttctggg gccttcgtgt 420
 ccgaggccag cacaccaaga ccactg 446

<210> 242

05920300-073404

<211> 465
 <212> DNA
 <213> Homo sapiens

<400> 242
 aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
 ttagatctta ttcacagacc tgctgaacag ttcctttttc agagacatag ataccatcca 120
 aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
 ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
 ctgaacaagc aacacctggt ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
 ttcggatttc aacaagagac ccatttctct ggataacaac gttgatgggg gaagtgagca 360
 tacacagacc tcatcttgta acggaagccc agtgtaaacac ccttgatcat gttctgtaca 420
 tgactacaaa tagtccgaac ggtagccagt tcctttctgt tacc 465

<210> 243
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 243
 aaaaatttta gcaggaaaac aaaagccaaa ccttggaag tacgatgatc ctccctgactg 60
 gcaggagatt ttgacttatt tccgtggatc tgaattacaa aattacttta caaagattct 120
 agaagatgac ctaaaagcca tcatcaaac tcaatatgta gaccagattc ctaaggctac 180
 aaaggggaca gtgggatcta ttttgaccg aaaagatgaa acaaagacac aggcaattgt 240
 atgtcagcag cttgatattaa cccacctaaa agaacgaaat gttgaagatc tttcaggagg 300
 agagttgcag agatttgctt gtgctgtcgt ttgcatacag aaagctgata ttttcatgtt 360
 tgatgagcct tctagttacc tagatgtcaa gcagcgttt 399

<210> 244
 <211> 388
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 329, 350
 <223> n = A,T,C or G

<400> 244
 gtttcccagg cccactgtgc ctacagagacc agggctccag cccctctcgg agaagtctca 60
 gctaagctca cgtcctgaga aagctcaaag gtttgggaagg agcagaaaac ccttgggcca 120
 gaagtaccag actagatgga cctgcctgca taggagtttg gaggaagttg gagttttgtt 180
 tcctctgttc aaagctacct gtccctaccc catggtgcta ggaagaggag tgggggtggtg 240
 tcagaccctg gaggcccca cctgtctctc ccgagctcct cttccatgct gtgcgcccag 300
 ggctgggagg aaggacttcc ctgtgtannt tgtgctgtaa agagttgctn tttggttatt 360
 taatgctgtg gcatggatga agaggagg 388

<210> 245
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

05920300 "05920300"

<222> 587

<223> n = A,T,C or G

<400> 245

```
ctgccgtgtg aagcccacaa taaatttagg atgaagaata cggctctgtgt atccaagaca 60
gcagtcaaag ttgcttgctt ctgattcgcc gcagagggtg agtagcagca ctgacatcaa 120
agcagccagg agcaaactct tggtagcagca catgggtttt agctcaaaga acagatctgc 180
taaaacaaat acaaagttatt gattcactct tctcaacttg acagtctacc tgtggtataa 240
ctgtcaggta aaaacataca tctttacaac ttggtggtcc caagttaaaa aaaaaaaaaa 300
aaaccaacaa caaaaaaaaa aacaccattt cacagacagg aaataaacia catgaaaaca 360
gctcaagaaa tactactaacg agcaaaaata tatgaatata tgggggaaaga ggaacgtgtt 420
gttttgactt aactgaagaa accaagagga aactgggtcta cgtatgaaaa tgtgcatcct 480
ggaaagtcag gtgtcaagat tttcgagtag gaatctatat gacttgaatc tccccctatt 540
tcctgaataa aagtgaacac tttcagtatt tatacttcat ggctcanaca 590
```

<210> 246

<211> 586

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 543

<223> n = A,T,C or G

<400> 246

```
ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acagggtacag 120
cagcgctttc tggtagtcgc ccttagtggtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatatt caacatgtcc acttcactgc gggagaccat 240
gattctgata aggaccttat ctgcgcgtccc ctggcccttc atggagtcac acagccgatc 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtctgt aactcttgta 420
cctatcaaat actttcttga ggtggggcac gctccgctcg gtcagatgac tgatccactt 480
gggaacatca gttcctttcc tcttcaactc agcgtcatag agatcccag catcttggtc 540
aantcagttc ataataatg acagagccat cctctgctct tctacc 586
```

<210> 247

<211> 435

<212> DNA

<213> Homo sapiens

<400> 247

```
ccaggctggt cttgaactcc tgacctcaag tgatccgctc gtctcagcct cccaaagtgc 60
taggattaca ggcgtagacc accgcgcccg gcccatacta actgttatca cgagtgttca 120
gttttcatat ttatgtcac ttgctgggtcc gcctgcagat gactctgaag gagtttgcca 180
taatgaatga ggaccaagat gatgaagagt ttctgcagca gtaccggaag cagcgaatgg 240
aagagatgag gcagcagctt cacaaggggc cccaattcaa gcagggtttt gagatctcca 300
gtggagaagg gtttttagac atgattgata aagaacagaa aagcattgtc atcatggttc 360
atatttatga ggatggcatt ccagggaccg aagccatgaa tgggtgcatg atctgccttg 420
ccgcagagta cccag 435
```

<210> 248

<211> 299

03920300-03104

<212> DNA

<213> Homo sapiens

<400> 248

```
cctgcagagt gtccctccct tggctccaga acgaagatcc acacttgagg actactctca 60
gtcgtgcac gccagaactc tgtctggctc tccccgatcc tgttctgagc aagctcgagt 120
cttcgtggat gatgtgacca ttgaggacct gtcaggctac atggagtatt acttgatatat 180
tcccaagaaa atgtcccaca tggcagaaat gatgtacacc tgatagcaag aagctaattc 240
atatgcttta aaccaatgaa ggcttgtcaa agagatttag ttaatggcag accttgtgg 299
```

<210> 249

<211> 186

<212> DNA

<213> Homo sapiens

<400> 249

```
ccatcaccat gtcaccacac ccagcagcgg gaagtctgtt cagccgtccc ttgatcccct 60
tcacggagat gatatacagg tttttggctc ctgtgttgtc agcacaattg attacagctc 120
ctaccggaag acccaaggaa atccggaatt tcgcaccaga ggacccacca cgtcctcgct 180
tcgaca 186
```

<210> 250

<211> 329

<212> DNA

<213> Homo sapiens

<400> 250

```
cagattctgc gataatgtgt ggacttttgt actgaatgat gttgaattca gagagggtgac 60
agaacttatt aaagtggata aagtgaaaat tgtagcctgt gatggtaaaa atactggctc 120
caatactaca gaatgaatag aaaaaatatg acttttttac accatcttct gttattcatt 180
gcttttgaag agaagcatag aagagacttt ttattttatt tagaattgca gaaatgacta 240
cactgtgcta taccagagaa ttccagtaga aagaaacttg taactctgta gcctcttaca 300
tcacctttat tatacagcat gaaaaacca 329
```

<210> 251

<211> 457

<212> DNA

<213> Homo sapiens

<400> 251

```
caaaggctgc gataatatta ttgacctctt cctttatcag ccacaatatc ttaatgcaat 60
tcagacaatg tgtccacaca ttcttcgcta ttgactaca gcagtcataa caaacaagga 120
tgttcgaaaa cgtcggcagg ttctaaaaga tctagttaaa gttattcaac aggagtctta 180
cacatataaa gacccaatta cagaatttgt tgaatgttta tatgttaact ttgactttga 240
tggggcttag aaaaagctga ggggaatgtga atcagtgtct gtgaatgact tcttcttggt 300
ggcttgtctt gaggatttca ttgaaaatgc ccgtctcttc atatttgaga ctttctgtcg 360
catccaccag tgtatcagca ttaacatgtt ggcagataaa ttgaacatga ctccagaaga 420
agctgaaagg tggattgtaa atttgattag aaatgca 457
```

<210> 252

<211> 426

<212> DNA

<213> Homo sapiens

09920300-073404

<400> 256

```

ctgaaagaaa cctttgggaa tggatatcag aagatttggc cttaatatat ttccattgtg 60
accagcagca ggcttttttc ccccaagaag atgatcaaaa caaaggatga tctcaacaag 120
agctgtatct taagtattta gacagttctt tgtagctggg tttctagttg gttatctagt 180
taccaatgct gcagtcctgc agtcacctat acattattt 219

```

```

<210> 257
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 430
<223> n = A,T,C or G

```

```

<400> 257
ccaatagatt tacagccatc taaagaagag cagaatgctc tcaagagctg aattatgatg 60
acttgtaggt attgattaga tgagaacacc aaccccatat tcagcagaga gttagggagt 120
gagaagtaga ggggagatgg tgggtggagat cgtctttatg tagttttcaa agtcacttcc 180
gaaaaagaag atgaggtaat agttgaatat gccagcaacg gacatgagga acaggaagag 240
tatgatgcgt ttcccaaata tgtagccagg ggtgctctgc gttctctctc ctaggtaacc 300
gacaaagtac ttttgctca caaacaagta catcagtcca gcaaacgcag caggaaacttg 360
gctgcaaagt agccccgcag accagagcac agcgaggaga gtgggggtacg catctacaca 420
gttctggttn gcagtgtaga cccgctcaaa ggcagggtgtt ccggtcctct ggaa 474

```

```

<210> 258
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 258
cggaataatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttccgggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgcccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 259
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 259
ctggaagagg aacatcacca ccccgtagcc acaggcttgc tgtccactaa cttagatccc 60
tgagcacttg agaaagaaca taggaagttc aacaggaagt ttgaccctca tggatacttc 120
tctttaggcc ctgggtttcc caagtctcca acctgatcgt tctttctgac catttatgac 180
aacttctggt ttttctttga aagcttggtt ctaggtctct tccccagaat cccaggacat 240
gagggagaga ggggtcagga ggtataccat atttggtcta ggcagagctt cttagacttt 300
tcagagactc agcccccaag g 321

```

```

<210> 260
<211> 360

```

059E0300-073104

<212> DNA
<213> Homo sapiens

<400> 260
gtggatggca acagtctaatt ttaggatgat gtaataggaa ctcaacaagc taccacaggg 60
cccgcatata gtggctcgaga gacaatatat ccaatgcat cctgctgat ccagaacgtc 120
accagaatg acacaggatt ctatacccta caagtcataa agtcagatct tgtgaatgaa 180
gaagcaaccg gacagttcca tgtatacccg gagctgcccc agccctccat ctccagcaac 240
aactccaacc ccgtggagga caaggatgct gtggccttca cctgtgaacc tgagggttcag 300
aacacaacct acctgtggtg ggtaaatggt cagagcctcc cggtcagtcc caggctgcag 360

<210> 261
<211> 303
<212> DNA
<213> Homo sapiens

<400> 261
cctttacttt attcagtga agtgtctatt tagactaaga ggtatatttag tttcctgact 60
cgagacatgt tgagtaaagg taatttgcca gtccctgggtg gggcaaattc tccagcctga 120
tgtgtaggga agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagagggttct 240
gagaggcggg ctagtggctt gtactatagc ataacctgcc tttgctggtg tgtggcgatt 300
agg 303

<210> 262
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424
<223> n = A,T,C or G

<400> 262
gtggctccca actttgaggc caatgccacc gtgggcgcca tccgtttcca cgactttctg 60
ggagactcat ggggcattct cttctccac cctcgggact ttacccagc gtgcaccaca 120
gagcttggca gagctgcaaa gctggcacca gaatttgcca agaggaatgt taagttgatt 180
gccctttcaa tagacagtgt tgaggaccat cttgcctgga gcaaggatat caatgcttac 240
aattgtgaag agcccacaga aaagttaact tttcccatca tcgatgatag gaatcgggag 300
cttgccatcc tgttgggcat gctggatcca gcagagaagg atgaaaagg catgcctgtg 360
acagctcgtg tgggtgtttgt ttttggtcct gataagaagc tgaagctgtc tatcctctac 420
ccanctacca ctg 433

<210> 263
<211> 184
<212> DNA
<213> Homo sapiens

<400> 263
ccagccaggg ctggtgctgt ccccgccctac ctccacttcc tttcccttgc tcaactctgga 60
tccagtgaca gcagggtgtca tgggtcaagc ataaatcata tatagcattt tcaggcatgt 120
tccgtgtagt tcttttgagt ctgacattct aataaaataa tttgtaaaaa aaaaaaaaaa 180

0990360-0340

aaaa

184

<210> 264

<211> 389

<212> DNA

<213> Homo sapiens

<400> 264

```

ctgtgatgag ttgataccag agtatctcaa ttttatccgt ggtgtggttg actctgagga 60
tctgcccctg aacatctccc gagaaatgct ccagcagagc aaaatcttga aagtcattcg 120
caaaaacatt gttaagaagt gccttgagct cttctctgag ctggcagaag acaaggagaa 180
ttacaagaaa ttctatgagg cattctctaa aaatctcaag cttggaatcc acgaagactc 240
cactaaccgc cgccgcctgt ctgagctgct gcgctatcat acctcccagt ctggagatga 300
gatgacatct ctgtcagagt atgtttctcg catgaaggag acacagaagt ccatctatta 360
catcactggt gagagcaaa agcaggtgg 389

```

<210> 265

<211> 475

<212> DNA

<213> Homo sapiens

<400> 265

```

gaggaattgg agaggccaga ataatcagaa aagcttttga gggggtagga tgtgacctac 60
attttcagaa caagagtggg gtagaaaagg cattccaggt gggataaaca gcggaggcaa 120
atacatgaga gggaattaaa tctgttggtg tttattttgat agtaagattg acctgcctgg 180
catcgagttg aaatagaggc aaaagacact gaatatttgc aaggagggtcc ttagaatgga 240
gtgatatgga aataagcagc cattataggt tcttgagcag gaacattttg catgaaaagc 300
actgcttttg aatgatgagt ctagaaaagg aacactgacc tctctaagggt ggcatctctag 360
ggagagacct gagtatattg ggctgagatt gagagaggag cttacttttc ttggtatatt 420
tttatattact attcaagttc tgcacatcat gtgtttactg cctatttaata aatta 475

```

<210> 266

<211> 104

<212> DNA

<213> Homo sapiens

<400> 266

```

cctaggattg tgggggtaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggt 104

```

<210> 267

<211> 470

<212> DNA

<213> Homo sapiens

<400> 267

```

ctgcctgtca cagaatccca tttcaaagag acggggccatc agggctgctg tctgatcttc 60
agaaattatt agctgtgcag tgactgggtg cccagcaaac agggccttgt atgcagaggc 120
agcaacagac aaagccccct tcaccagtcc tccagcaatg ctgctcccat gatggtgcct 180
tgagtgggtc tagctcttct gtctgctggt tacaagtcct gatgagcctc tgggctctcc 240
tctgatctga tcagggactg aagaaacttc tgggtatggt actggtaaat cactcctcctg 300
ggaacacatga tgatgtacac aaggagagct cctgggcagt gacgggtggaa gctccactac 360
ctctgggatt agggggcactg tttccagagt ctgtgaggtc gtgaggatgt cacttatgct 420
gtgctcctgt ggctgggttct cccctccagg gagtcttttc ccagcctcag 470

```

0950330-023401

<210> 268
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 268
 ctgggacccg gaaggcgggc gtcctgtct ttgtgctctt tctaccgccc ccgcgtcctg 60
 tcccgggggc tctcctagga tcccctttcc gtaaaagcgt gtaacaaggg tgtaaatatt 120
 tataatTTTT tatacctggt gtgagacccg aggggcggcg gcgcgggttt ttatgggtgac 180
 acaaagtgtat attttgctaa cagcaattcc agggctcagta ttgtgaccgc ggagccacag 240
 gggacccccac gcacattccg ttgccttacc cgatggcttg tgacgcggag agaaccgatt 300
 aaaaccgttt gagaaactcc tcccttgtct agccctgtgt tcgctgtgga cgctgtagag 360
 gcaggttg 369

<210> 269
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 269
 ccaaaccaac cgcaccctg aatttctccg caaatttctt gccggcaagg tcccagcatt 60
 tgagggtgat gatggattct gtgtgtttga gagcaacgcc attgcctact atgtgagcaa 120
 tgaggagctg cggggaagta ctccagaggc agcagcccag gtggtgcagt gggtagctt 180
 tgctgattcc gatatagtgc cccagccag tacctgggtg ttccccacct tgggcatcat 240
 gcaccacaac aaacaggcca ctgagaatgc aaaggaggaa gtgaggcgaa ttctggggct 300
 gctggatgct tacttgaaga cgaggacttt tctggtgggc gaacgagtga cattggctga 360
 catcacagtt gtctgcaccc tgttgtggct ctataagcag gttctagagc cttctttccg 420
 ccagg 425

<210> 270
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 270
 ctggagcgt cacctggttg aattcaaagt cccagaaggc cccgctggcg tgaagccggc 60
 cccttacatt ttgcgaagtg cattatagtc cttgtttttc tctccctcgt gggggcaacg 120
 accctcccc tggcagtagg ggtggggtag gtgactctcg ctagatccct ccaaagcaga 180
 ccggtggcga tgtcagcgga tgtcacgagc tcgttagctg cgttcgggga aggttggggc 240
 gtcagggagc tctcgatca cagcagcccc cgccctctcc tagg 284

<210> 271
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 271
 aaatTTTatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
 gtgtaaaata cttacaata ctttagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
 aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
 ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca cagggtccagg 240
 ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctggggggacc tggtaataaa 300
 aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360

<400>	275						
atcgtgtgct	gcctggagga	gaagcctgga	gaccgtggca	agctggcccg	ggcatcaggg	60	
aactatgcc	tcgttatct	ccacaacct	gagaccaaga	agaccctgt	gaagctgcc	120	
tccggctcca	agaaggtat	ctcctcagc	aacagagctg	tggttggtg	ggtgctgga	180	
ggtggccga	ttgacaaac	catcttgaag	gctggccggg	cgtaccacaa	atataaggca	240	

aagaggaact gctgg

255

<210> 276

<211> 460

<212> DNA

<213> Homo sapiens

<400> 276

```

aaacaaccaa aaagaattgt aagggtggct tgctgccagg ctgcaactgc cgttccctggg 60
ggtgtgcatc ttcgggaaaag gtggtggcgg ggcgtccact aggtttcctg tcccctgctg 120
ctccttccgt aagaaaatga aatattctat gcctaatact cacacgcaac atttcttgta 180
ctttgtaagt cgtttgcgag aatgcagacc acctactaa actgtaaacy gtaaagagat 240
ttttactttt ggtctccgtg ggtcgcatct ctactaaggt ttacacagga attccacctg 300
aagacttggtg tttaaagttct acagcgcgca ctgttactga acgtcttttt cttcagccta 360
tacgcggatc cttgttttga gctctcagaa tcaactcagac aacattttgt aactgctgct 420
gttgctttct acatacacct tataaagtga catttcaaaa 460

```

<210> 277

<211> 348

<212> DNA

<213> Homo sapiens

<400> 277

```

ctgttgatgc cagtgtcctc taactcatgc tgtccttgtg attaaacacc tctatctccc 60
ttgggaataa gcacatacag gcttaagctc taagatagat aggtgtttgt ccttttacca 120
tcgagctact tcccataata accactttgc atccaacact cttcaccacac ctcccatacg 180
caaggggatg tggatacttg gcccaaagta actggtggta ggaatcttag aaacaagacc 240
acttatactg tctgtctgag gcagaagata acagcagcat ctgcaccagc ctctgcctta 300
aaggaaatct ttattaatca cgtatggttc acagacaatt cttttttt 348

```

<210> 278

<211> 292

<212> DNA

<213> Homo sapiens

<400> 278

```

cgcgaccatt cggtggccga gagcctcaac tacgtggcgt cctggaacat gagcatgctg 60
cagacccaag acctcgtgaa gtcgggtccag gccacgactg agaacaagga actgaaaacc 120
gtcaccttct ccaagctctg agagccctcg cgtcccaggc cccagccagg gggccggcct 180
tgtcccgct catccacaga aaggaggat gggcgatgac agttgtttct atgccttctg 240
accagtttc ccagtttata actttatgac aatgagtttc tcaagcccaa gg 292

```

<210> 279

<211> 74

<212> DNA

<213> Homo sapiens

<400> 279

```

ctgttgctgt cttcatgagg gcagaggagg agccgggtgg cagtgtggtt atttggtcag 60
agtgtccctt ggga 74

```

<210> 280

<211> 197

<212> DNA

09520300 "073404"

ttttttttta	tatcaaaaca	tttatttttt	gtgttacaaa	aacacaaata	aatccaagca	60
gataatgaaa	taaacacatt	tttttagtgt	cccatcctgg	gttctctgcc	ctagaatgta	120
ttaagcaggt	caagtttagg	ttacttcaac	acttcttctg	gatgctatga	agtctccatc	180

ttataacccat gtttctctag ttcagctcgt aactgattag agaagtcac cttctacattg 240
 tcatcatccc aattatcctc ccagacatgt gcatcttcat cttcatctaa gccagcccag 300
 tcttcggcag ggaactcttc aaactcgtcg tcttcctcta acagacctaa gtctaccggc 360
 tgctttttct ctgacatctc gactgtccgc gcccaacacc tcccagataa gcagaaaagt 420
 tggaaccctc actcntcc 438

<210> 284
 <211> 238
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 216, 221, 228, 229
 <223> n = A,T,C or G

<400> 284
 cctaccgcc gcagtactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
 tctcatcaac aaccgactaa tcaccaccca acaatgataa ccatacacia cactaaagga 120
 cgaacctgat ctcttatact agtatcctta atcattttta ttgccacaac taacctcctc 180
 ggactcctgc ctcactcatt tacaccaacc acccanctat ntataaannt agccatgg 238

<210> 285
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 285
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctggtatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taagaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttg 275

<210> 286
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 286
 aaatagctta caaggaatag tgggttatatt tatagaacat tttataaaac agatttacac 60
 ttgcaacacc aacaaaagct tgaaaataaa agtttaccta aagtaaaatt ggtggctggg 120
 tttggtggct caccgctgta atcccagcac tttgggaggc caaggtgggt ggatcacttg 180
 agttcaagac cagactggag gacatagcaa gacctcgttt atattgggga aaaaaaaaaat 240
 tatcagggtg tggcatgcac ctgtagtccc agctactctg gaagctgagg tgggaggatt 300
 tcttgagcct ggaagattga ggctgcagtg agcaacaatg gcaccactgc actcaaaaaa 360
 aaaaaaaaaa aattgagagt caataactgc aataaacttt ttttaagtata atcaaatgag 420
 ttcaactgtc acgttaagat gccttgaatt cttttgattt tctagttcca atttctagct 480
 ttaat 485

<210> 287
 <211> 505
 <212> DNA
 <213> Homo sapiens

0990300-073104

<400> 287

```

ccacagagat ccctgacttc aatcaggatg acttggaaga ggatgatgtg ttcctactag 60
atgtctggga ccagggtcttc ttctggattg ggaaacatgc caacgaggag gagaagaagg 120
ccgcagcaac cactgcacag gaatacctca agacccatcc cagcgggcgt gaccctgaga 180
ccccatcat tgttgtgaag cagggacacg agccccccac cttcacaggc tggttcctgg 240
cttgggatcc cttcaagtgg agtaacacca aatcctatga ggacctgaag gcggagcttg 300
gcaactctag ggactggagc cagatcactg ctgagggtcac aagccccaaa gtggacgtgt 360
tcaatgctaa cagcaacctc agttctgggc ctctgcccac cttccccctg gacgacgtag 420
tgaacaagcc tgtagaggag ctcccccgag ggtgtggacc ccagcaggaa ggaggaacac 480
ctgtccattg aagatttcac tcaggg                                     505

```

<210> 288

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 40, 42, 337, 428, 461

<223> n = A,T,C or G

<400> 288

```

caagcttttt tttttttttt ttttttttga ttttttagtan anacgggggtt tcaccgtggt 60
agccaggatg gtctcgatct cctgacctcg tgatctgccc gcctcagcct cccaaagtac 120
tgggattaca ggtgtgagcc accgcaccca gccattatt attttttgag acaagtctcg 180
ctctgttgcc caggctggag tgcagtggca tgatcttggc tcaactgcaac ctccacttcc 240
tgggttcaag cgattctcct gcctcagcca ccgagtagc tgggattaca ggtgcgtagc 300
accacaccca gctaactatt ttttgtatit ttagtanaga tgggatttca ctgtgttagc 360
caggatagtc tcgatctccc gacctcatga tccgcctgcc tcggcctccc aaagtgtctg 420
gattacangc gtgagccact gtactcggcc aaagctttta nagaa                                     465

```

<210> 289

<211> 480

<212> DNA

<213> Homo sapiens

<400> 289

```

gtgttcccag tgccacaccg ttgaaaaggg aggcaagcac aagactgggc caaatctcca 60
tgggtctctt gggcggaaga caggtcaggc ccctggatac tcttacacag ccgccaataa 120
gaacaaaggc atcatctggg gagaggatac actgatggag tatttggaga atcccaagaa 180
gtacatccct ggaacaaaaa tgatctttgt cggcattaag aagaagggaag aaagggcaga 240
cttaatagct tatctcaaaa aagctactaa tgagtaataa ttggaaattt ccatatgatt 300
tattgttgtt ccttgtacat aagaaacagt aatatacaac ttacactgct ttagaatgta 360
aaatggataa aaatgtgtac aaaaaaagca cattcctaga aaaaggattt ggcaaatagt 420
aaaaatggga ggtcaaaagc aaaaaaaaaa aaaaacaaaa caaaaaaaag aaaaaccaac 480

```

<210> 290

<211> 551

<212> DNA

<213> Homo sapiens

<400> 290

09920300 "073104"

```

aaatacaaaa ggtgtcttgt gttgcttaat catcacagttt cgtacatttt gtatagatat 60
tcctcactct acagtcacag atttggcaag attccgtggg aaatcaacat catagcctct 120
cagcacagca aggtggaaag ccagcaactg taaagggatc acgctgagaa tgccctgcaa 180
gcagtccact gagtggggca ccttgatcgt tctttttgtg ttcttaatgg tctcagtatc 240
ctccttatca caaattacca caggccgccc ctgccgagca accacttgct gaagagcatt 300
ctgacacttg gcataagtgt gatctctcat gatgatcatg atcacaggca tcaatttatc 360
caccaaagcc agagggccat gtttcaattc accagcaagg atgccttcag agtgcataata 420
agtaatttct ttgattttca gtgccccttc aagacaagta gcataatgat agcctcgtcc 480
cattatcaga actgacttct gatgataaag ttctgttgct agtttctgaa tttcgtcatc 540
catgctcagt a 551

```

```

<210> 291
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<400> 291
aaattctttg tgcagagagt ttcagcttca gatattcttc ctgtgtctat tagaccagtg 60
acagcttgtg agagagacca cttttcaagg gactggttgt aattttcaaa gaatttttcg 120
tctttaattg aagcagaaac agcagataac agtgccaagt ataaatctat actctttggc 180
tgagtgttgt tactaaggc cagtttatca tcagcgtgac aggctgccat tagccagacc 240
cagatagcag gatcacctgg agaaaggaga gctgccttct gaatggcttt tagtgcagta 300
ttttttcatc ttctgctgaa ctgcttccca tagccaactg atttaccgca gtgtacagta 360
atgccttctt tccatgattt gagtccagaa tatgggccac atttcctgct acaacacctc 420
cctttgcatt tcgttgagca tactgtgcaa caactcgaga caacagagac caaagagcag 480

```

```

<210> 292
<211> 294
<212> DNA
<213> Homo sapiens

```

```

<400> 292
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcagggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

```

```

<210> 293
<211> 474
<212> DNA
<213> Homo sapiens

```

```

<400> 293
ctgctgggca tgctgtgtgc ttgcatcgtg ttgtgcagaa ggagtagaga tcctgcttac 60
gagctcctca tcactggcgg aacctatgca tagttgacaa ctcaagcctg agcttttttg 120
tcttgttctg atttgggaagg tgaattgagc aggtctgctg ctggtggcct ctggagttca 180
tttagttaaa gcacatgtac actggtgttg gacagagcag cttggctttt catgtgccca 240
cctacttacc tactacctgc gactttcttt ttccctgttc tagctgactc ttcatgcccc 300
taagatttta agtacgatgg tgaacgttct aatttcagaa ccaattgoga gtcatttagt 360
gtggtagaat taaaggagga cacgagcctg cttctgttac ctccaagtgg taacaggact 420
gatgccgaaa tgtcaccagg tcctttcagt cttcacagtg gagaactctt ggac 474

```

<210> 294
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 294
 tttgtgtatt gcggcaagaa ggcccagctc aacattggca atgtgctccc tgtgggcacc 60
 atgcctgagg gtacaatcgt gtgctgcctg gaggagaagc ctggagaccg tggcaagctg 120
 gcccgggcat cagggaacta tgccaccgtt atctcccaca accctgagac caagaagacc 180
 cgtgtgaagc tgccctccgg ctccaagaag gttatctcct cagccaacag agctgtgggt 240
 ggtgtgggtg ctggagggtg ccgaattggc aaacccatct tgaaggctgg ccgggctgac 300
 cacaatatata aggcaaagag gaactgctgg 330

<210> 295
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 295
 cctgacattc ctgcctgaag cttggcgctc ttgatggctt agggggcttc caagggtgatc 60
 gggcagtgtc agtccttcagc cgctaagccg agaagatctg ggaaggagtc agtcagagag 120
 ccttgggcca gagttccagg ggctctggga gtggctgcc aagtgaattga acagtccgat 180
 tttcagtggg gtcccacaca gatgggacgc ggcttaggag gaatccgggg ctgcgggcat 240
 tccttggccc agtgg 255

<210> 296
 <211> 109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39, 57, 79, 96
 <223> n = A,T,C or G

<400> 296
 ttgggcggat agcaccgggc atatttttga atggatgang tctggcacc ttagcantcc 60
 aacgaggact tggctttant tgagcaattt ggctangagg atagtatgc 109

<210> 297
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 297
 ctgctgcctg gtgtactccc agatcagcag ggctccactc acatggacat tcaggggagcg 60
 gataatgccc tgttgaggaa tttccacaca aacgtccaac tgttgatca gatttgctgg 120
 aattccctca cgttcatttc ccaacaagag cagagatttc tcaggaaagc aatattgggt 180
 taggtctaaa cttttggcag tttgttccac tccaatgatg gtataacctt ctgttttctt 240
 ctgctgcaga taatcaatta gctgagggtg ttttacctcc actagaggaa gccactgttc 300
 tgacagagaca ctgagggtgct gaaactgttt gtcgctga 338

<210> 298
 <211> 476

<212> DNA
<213> Homo sapiens

<400> 298
 aaaaaaacag aaaggggagag aggatgacct taactacaaa taatattcca ctgcaacatt 60
 attgctgtaa aacttccaag ctggctgttc ttccagatgc tctcttttga tggctgtagt 120
 ggctgacaga tttatattta catgttcaaa acaattaatg cttccattta ttcataagatt 180
 ctctgagggtt cccgtagaac cacaccacct tctgtcatgg cactttgtag tcgtttcatg 240
 agtggaggcc gaaaccacaa ccttgccatt ctgatgctcc acaagtgtt ctacatgatg 300
 ctgagtcctt ataactcgca acctgtgcta gaactcacgg gagggaaaca ccgtccgcca 360
 gccccgctct ttcttggtta cagataaaag ctccagggtc cgggggttcc gggttggtgaa 420
 ttctggggcg acagcttcat tttccacagg gtccacttca ggtttcgctg ccggct 476

<210> 299
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 218
<223> n = A,T,C or G

<400> 299
 ctgtgaagga aagaattgcc aaattctttg gaaaagatat tagcacaaca ctcaatgcag 60
 atgaagcagt agccagagga tgtgcattac agtgttcatg aagtctttag tcgaaacat 120
 gctgctcctt tctccaaagt tctcaccttt ctgagaaggg ggccttttga gctagaagct 180
 ttctattctg atccccaaagg agttccatat ccagaagnaa aaataggccg ctttgtagtt 240
 cagaatgttt ctgcacagaa agatggagaa aaatctagag taaaagtcaa agtgcgagtc 300
 aacacccatg gcattttcac catctctacg gcattctatg tggagaaagt cccaactgag 360
 gagaatgaaa tgtcttctga agctgacatg gagtgtctga atcagagacc accagaaaac 420
 ccagacactg ataaaaatgt ccagcaagac aacagtgaag ctggaacaca gccccaggta 480
 caaactgatg ctc 493

<210> 300
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

<400> 300
 gagcggccgc ccggcaggct tgccaaggag accctgttat gctgtgggga ctggctgggg 60
 catggcaggc ggctctggct tcccaccctt ctgttctgag atgggggtgg tgggcagtat 120
 ctcatctttg ggttccacaa tgtcacgtg gtcaggcagg ggcttcttag ggccaatctt 180
 accagttggg tcccagggca gcatgatctt caccttgatg ccagcacac cctgtctgag 240
 caacacgtgg cgcacagcag tgtcaacgta gtagttaaca gggctctcgc tgtggatcat 300
 caggccatcc acaaacttca tggatttagc cctctgtcct cggagtttcc cagacaccac 360
 aacctcgag cctttggccc cactctccat gatgaaccgc agcacacat agcaggccct 420
 ccgcacagca agccctccta ggagtttgta acgcagagac tctgcctggg cnatggcaca 480
 cagacctcta gtgg 494

<210> 304

<211> 338
 <212> DNA
 <213> Homo sapiens

<400> 304
 aaagttcttt atagggttag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
 gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg tctaatttat 120
 catgactgat agatctgggt aagttgtgta gtaaagcatt agggtcattc ctgtcacaaa 180
 agtgccacta aaacagcctc aggagaataa atgacttgct tttctaaatc tcagggtttat 240
 ctgggtctta tcatatagac aggcttctga tagtttgcaa ctgtaagcag aaacctacat 300
 atagttaaaa tcttgggtctt tcttggtaaa cagatttt 338

<210> 305
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 305
 ggtcgtcccg ctctaaggc aggaagatgg tggccgcaaa gaagacgaaa aagtcgctgg 60
 agtcgatcaa ctctaggctc caactcgta tgaaaagtgg gaagtacgtc ctggggtaca 120
 agcagactct gaagatgata agacaaggca aagcgaaatt ggtcattctc gctaacaact 180
 gccagcttt gaggaatct gaaatagagt actatgctat gttggctaaa actggtgtcc 240
 atcactacag tggcaataat attgaactgg gcacagcatg cggaaaatac tacagagtgt 300
 gcacactggc tatcattgat ccagggtgact ctgacatcat tagaagcatg ccagaacaga 360
 ctggtgaaaa gtaaaccttt tcacctaca aatttcacct gcaaacctta aacctgcaaa 420
 attttccttt aataaaattt gcttgt 446

<210> 306
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 193, 213, 214, 219, 244
 <223> n = A,T,C or G

<400> 306
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gnaatggtg ggtgaacggc tgnnccctnt tattaagcca tgcaccctac 240
 tctngctggt aaaatcactg gcatgtt 267

<210> 307
 <211> 219
 <212> DNA
 <213> Homo sapiens

<400> 307
 aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
 gcttcacaat cttttgctta ggtgctgcct ttgtaggctg cttagcagca gccattgcag 120
 tctttttaga tgottgctta gccttttttg ctctccttagc agccctgata gcttggttctc 180
 gttgagcctt tctaacttca ggtttctgat tctctttgg 219

<210> 308
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 308
 ccacaaatgg cgtgggtccat gtcataccca atgtttctgca gcctccagcc aacagacctc 60
 aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagcgt 120
 tttccagggc ttcccagagg tctgtgcgac tagcccctgt ctatcaaaag ttattagaga 180
 ggatgaagca ttagcttgaa gcactacagg aggaatgtac cacggcagct ctccgccaat 240
 ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacacttta 300
 tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagaa 360
 gagatgtact tttt 374

<210> 309
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 402
 <223> n = A,T,C or G

<400> 309
 aaattgcatt tttaacaagt gttttttaat tagtgttcta ttacattgc agaacttcca 60
 ccaactgcag tagtttaact ttggcacaac attaatgtcc atttcttttg ggtattggat 120
 cctgcttttt gagtgtgtat gccccaaaac gttttcaatg tcatcaaaga ttgggcaaat 180
 tcacagtaaa tcagacatct tgagttgaag aattgattct ctttcaacgt tttaggcaga 240
 tttcagtcac ctgattttaga cagcttccgt ttcacatgtc gtggagggtc ccaagtgtca 300
 ctatcatctg tttcttcttc atcctcttcc tggtcacaa taacttcatc ttctctctca 360
 ttttctccta ataattctat acctaattct gatcttctct gnctttctgc aaaccactct 420
 ctgacctgct catagcccat atgtgatttg ttaacaagtt catcaaggtc ttgctcatta 480
 agaaacttgt gcttca 496

<210> 310
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 310
 tcggaagtga gcaaaaactgc cgcaagtctg cagcccggcg ccaccatcct gcagcctcct 60
 cctgaccacg gacgtttcca tcaggttcca tcccgaaaat ctctcggttc cacgtcccc 120
 tggggcttct cctgacccag tccccgtgcc ccgcctcccc gaaacaggcc actctcctcg 180
 gccccctcca tcgggctgag gaagcacagc agcatcttca aacatgtaca aaatcgattg 240
 gcttt 245

<210> 311
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 311

```

ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttccccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga tgcaccatct gtgggggagg 180
gccgagggag actccatggt ctctgctgtc tgctctgtcc tcctctgtgg agaagagctt 240
gagttccagg aacgttttgt caaggctgct gtgactgtct ggtctgctgt cgta 294

```

```

<210> 312
<211> 522
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 312
tgagcggccg cccggcaggt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gcttgtacaa 60
aacgagggcg aaggtaccga aagcacagta atcactggtg tcgatattgt catgaaccat 120
cacctgcagg aaacaagttt cacaaaagaa gcctacaaga agtacatcaa agattacatg 180
aaatcaatca aagggaact tgaagaacag agaccagaaa gagtaaaacc ttttatgaca 240
ggggctgcag aacaaatcaa gcacatcctt gctaatttca aaaactacca gttctttatt 300
ggtgaaaaca tgaatccaga tggcatggtt gctctattgg actaccgtga ggatggtgtg 360
accccatata tgattttcct taaggatggt ttanaaatgg aaaaatgtta acaaatgtgg 420
caattatatt ggatctatca cctgtcatca taactggctt ctgcttgtca tccacacaac 480
accaggactt aagacaaatg ggactgatgt catcttgagc tc 522

```

```

<210> 313
<211> 517
<212> DNA
<213> Homo sapiens

```

```

<400> 313
aaagaaagaa agaaagtggg ggaggccagg ggggcaaggg acagaacatg ggggagaaac 60
aaaggtgggc agttggggag gggagctcct gggctctccc tggctgccct ggggtggggc 120
tgagcctcag ttggagtcag agtctgagga gtcccctgag gaggaggagc tggagctgct 180
gccctcggac tcattatcct catcctcatc gtcacctcctg tcgtcgtctt cgtcctcgtc 240
atcctcttca ttctcatccc catcctcgtc ctgctcctcg ccgctggact cagaggagtc 300
gccgccatct tcagaggagt ccccatctc atcatcttcc tcttcttcat cctcgtcctc 360
gtcatcctca tcctcttcat catcctcctc ggactccgac ttggactgca gagtagtccg 420
gctggatttg gggtttgggc ctgcagctt ggtcatgctc ttacgtttat tggagatgta 480
ctctttatat gctgcacggt cctgggggaga caggctc 517

```

```

<210> 314
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 287
<223> n = A,T,C or G

```

```

<400> 314

```

```

aaatgtttta ggcaacctaa gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggtattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttt ttttttgata cttgcctaac 180
atgcatgtgc tgtaaaaata gttaacaggg aaataacttg agatgatggc tagctttgtt 240
taatgtctta tgaaattttc atgaacaatc caagcataat tgtaanaac acgtgtatta 300
aattcatgta agtggaataa aagttttatg aatggacttt tcaactactt tctctacagc 360
ttttcatgta aattagtctt ggttctgaaa cttctctaaa ggaaattgta cattttttga 420
aatttattcc ttattccctc ttggcagcta atgggctctt accaagttta aacacaaaat 480
ttatca 486

```

<210> 315
 <211> 122
 <212> DNA
 <213> Homo sapiens

```

<400> 315
ccactgcagg ggatggcctg atcgagctgc gcaagctgga agctgcagag gacatcgcgt 60
accagctctc acgctctcgg aacatcacct acctgccagc ggggcagtcg gtgctcctcc 120
ag 122

```

<210> 316
 <211> 442
 <212> DNA
 <213> Homo sapiens

```

<400> 316
aaattccctg ttaagttccc ctccataatt tttatgttct tgtgaggaaa aaagtaaaac 60
atgtttaatt ttatttgact ttgcgattgc ttttcaaca gcaaatgtta aatgtgttag 120
gacttgtact agtggtgtta ctttccaagt aaaagtatcc cctaaaggcc acttcctatc 180
tgatttttcc cagcaaatga ggcaggcaat tctaagatct tccacaaaac atctagccat 240
ctaaaatgga gagatgaatc attctaccta tacaacaag ctagtctatta gaggggtggtt 300
ggggtatgct actcataaga tttcagggtg tcttccaact gaaatctcaa tgttctcagt 360
acgaaaaacc tgaaatcaca tgcctatgta aggaaagtgc tattcaccca gtaaacccaa 420
aaaagcaaat ggataatgct gg 442

```

<210> 317
 <211> 484
 <212> DNA
 <213> Homo sapiens

```

<400> 317
ctggcatgaa gaaggaatag agcatggaca cgccctggga cagcatgggtg atctctaatt 60
tgtgctctgt cttaaaatag tgcaggaact gtttgagggt catctcctca ccattagggt 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttggttatag tactgggtgac 180
gtggtgcggc aaggggttca gagaaaccaa agaaaggcag ggccaagttg aggaaaccat 240
tcttgttaga gtcaagctgt cgggtgccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgctgtg gtcgtggcaa tggctgggat gatcttcctt gcaatcagct 360
tgctcttgtg ccggtctgca gaaggaatgt catagttttc tgcccggagg ttggatgcag 420
ccacgatgaa atccatatga aagttgctgt catcatcctt ctcaaagtca atggggtaca 480
tctt 484

```

<210> 318
 <211> 395
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 318

```
ccaggggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgcggttgg catcgtagag tgaacacaac caaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactgggtcat gtctaaagggt catcgatttg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcancg 300
aatgagagct ggcaaaggca aaatgagaaa ccgtcgccgt atccagcgca ggggcccgtg 360
catcatctat aatgaggata atggtatcat caagg 395
```

<210> 319

<211> 458

<212> DNA

<213> Homo sapiens

<400> 319

```
ctgtgatggc ttggagaaac agtgtaaacc ggcagtgtaa acaagagcag ggcattgtatg 60
agtagttgag aacggtgaat aggagtatga ctagacagaa gatagtaggg atgacaagtt 120
ttttggggca cagtctaagt tggtcgggtg tctggaatga gaatgggacc taataaaaag 180
aagcgtctat acaggagctt aaatgggctg taccttgtag cattctgagg acaggctctga 240
cttctgagga gggaaagtgg taaaagtatt gtccagtcct ttttaagttg gtggctgagc 300
ttgtttgaggt gtgtttttta tagaccatta gtctgtcact gaataactaag agcctgaaaa 360
actgcttggc tgattttgact aataaaggct ggtctgttat cagactgtat agaggtggga 420
aggctaaact gaggaattat gtctgacaga agggaaga 458
```

<210> 320

<211> 498

<212> DNA

<213> Homo sapiens

<400> 320

```
aaacatgata gtccataacc atttttgaaat gctgggcaaa ctacatgaag ttattttataa 60
ttaattcaca gctaatacagg cattttgaaa gcttaatttg attcaaaaac cataatgttg 120
gaatttggtg aaattttaat gttgattttt actgtgaaaa gggtttttata agatatacac 180
accctagttt aatgttgtgt cttgggtgtg atttacagat ttactacagg tattctgaac 240
caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
agtaggacat cataactaaat gttatgtcag tgggactgta ctgtctgttg aacttagcaa 360
attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttggag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gttgacttcc tagtataa 498
```

<210> 321

<211> 283

<212> DNA

<213> Homo sapiens

<400> 321

```
ccacagcctg agtgacgaat ttcttactga atgtaccaag ttccaatttt taagggggggg 60
```

```

aaagggtttca aatgggggaaa aacacacaaaa aaaaaatcac taaaaattcc cacaaatctt 120
gtttctggca ctttagaaaaa actgcaaaaaa aatacgtaat aaagaatata tatatatata 180
tctacacaca aattatatat ctatctatct atacagcgga accacaagag agactgagga 240
aggatttttt tcaatgtcct ttccaaaaag tggcagtaag cag 283

```

```

<210> 322
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 322
ctgtcacctt ggacttggtg gagatgcagg ggctagaaaag gaaatgacag agtgtagcagg 60
ccccttcgac ccggtgtccc ataggtggtg gccccagac acaccctctc tgctggcagg 120
gcagaacatg catcccaata ccctagagga gaaacaccac ccagggaga gccctttctg 180
ctccaacctc ctgggcagggt ccaggttgg ggcagcagcc atctgcagggt gtttgtcagg 240

```

```

<210> 323
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 58, 173, 175, 244, 264, 301, 304, 305, 306, 314
<223> n = A,T,C or G

```

```

<400> 323
ccaattcttc ttctcccccc caccxaaaga catgtgagca actgctaata aaaagcanta 60
aacagccgct taggctatag cagtttcaac ttactctga ggtgaagatt ccaattacat 120
tcgagactta agttctttca attttttctt aacaaaagtt cctgagtcca gtnntntaaa 180
tattacagca cttagcagatc agtgtctaca actcatcttt ttctgctgta tcctcttcac 240
cagntggggg agggcctgca cttncataga gtttgctgat aattgggtga acaatttctt 300
ncannncctt cttntta 317

```

```

<210> 324
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

```

```

<400> 324
ctgttcttag gggtcactga gcgctctacct cctcctccag aggaggctgg ctgagaacgc 60
ctagaggagg gggccgggga tgcaccccc accagaggct gccttcagcg tctcacgggt 120
gcaggacagc gctcaggctt gggctctaag ctctgtgtct agtgtagaac atggggaagg 180
agcatcttag gaactgctga agtaacttct tactgctctc acaattctaa ggaagcggga 240
gaacggcctc ctaccaacag cgcccacccc agagctgcct gggaaagggc agttttactg 300
aaagggtgctt tactgttcac ctgcatcttt cagcagctcc cctcctgccc tcacctgggtc 360
ttttccctct ttatcccaag cctttatgct tgantccctt ccccaggggc tgcccacccg 420
acagttccag gcattcccta cctgagcttc ttgtctgctt ttccttctcc cactgcaa 478

```

<210> 325
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 325
 ggaagggctg ggggcctgaa taatccctga ggagtagtag aatagcagat ggaacactga 60
 gaagttatTT ccttgaggat agatttccac gatggaaagg aaatgagagg ttctgagagg 120
 cgggtagtg gcttgacta t 141

<210> 326
 <211> 439
 <212> DNA
 <213> Homo sapiens

<400> 326
 aaacaaagca gtgcagttct tagccaaggg taagtactgc aactgtcgag agcatcttgt 60
 cttccacaca gttgggtgac tctccgtttt gacacaaaga taagccttgc ccttgtttcc 120
 ttttgaggagg gatatatcca ctgagatgag aggccaaact ccgtttttca cgagattttt 180
 tgactttgag cttcattttc ttcttgtcag gatcatgtac aacagcatgc ctagtgagac 240
 tttgtttcat tgcaaatgtt ttgccacagc cagcatgttc acacacaaaa gggcggcttt 300
 cctcatggaa ggagaggata tggcttttga gattaaacac agttgtatag gttcttccac 360
 agccttctct tggacagcga catacatccc tttctggggc atgagttttc atgtgttgct 420
 taaggtaatc tttgcgttt 439

<210> 327
 <211> 538
 <212> DNA
 <213> Homo sapiens

<400> 327
 aaagatcaat ttccccagag ggtgtgcaat gcatcataaa atggcccttt tttgaggatg 60
 ggagaggaag ggttgggcag gatggaatat taaattgtaa catgataaac atgcaagact 120
 gttatccaat ctagataatt tatatacatt ttgatgactt aggaaaacaa agcaatcatt 180
 tgtgacaagc ctaaaaagct tgacatatTT aacatactta ggaacttttt ttgtgcggtg 240
 ggaattctct aattgtatca tgtgggcctt ttgaaagtaa caaacagaag gccagtctgt 300
 tgcaagtttg ctgctgaaca tcacattcca ccctaagaaa acacaagggtg gattgcatcg 360
 aggggtggata ccttacctta gcacagaagg aaaaagtatg tcagtgc aaa gtatggacta 420
 aactgctttc aggaaaaaag ttgtaaaaat tgatacaggt tggaaaaggg aattttcctt 480
 cccggttg agtcctcca atttaaggca gaacccatcc actccaattt ctgcagtt 538

<210> 328
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 328
 ctggctctta cctcctggct ttctctccta caaacacacc cattccttgg gggcttgtaa 60
 cacagtgcga ggtgggtcac caacaggcat cagactggtg tagtcatcag cgggtagctg 120
 gtaggcttgg aagacgctga gcagatcctt cataccagcc gtgtatggga caccctgcat 180
 gcggaccaag gtcctgact gggacaacac tgagggtggga gcagaggcca gggcagcagt 240
 ggggtgtagt aggttagcca cagtgggtgg ggagactggg gggcttgggt agtaggctgt 300
 gtagttcagg tagagttgag tggctggccc tggatagtag gcaacagggg tgggggcagc 360

aggcaccctg gcag

374

<210> 329
<211> 270
<212> DNA
<213> Homo sapiens

<400> 329
ccaggtagag gccaggagc agggccagca cctccatcac caccacacc agcgctgtgc 60
ttgcacacag gccagcacc tccgggaaga accttttctg aatgccagc gccatcccag 120
ccaggagcac gtaagtaat aaggccatcg tggggatata gaggtcaggg gcgttgaggt 180
cttgccgggg gggcagagga gcatcacgac tgtactgcac ttcccagttc tgggtgtgtg 240
aggggaagac cagcagccct agcttcttgg 270

<210> 330
<211> 402
<212> DNA
<213> Homo sapiens

<400> 330
aaaataagca caccaagtta tatgactaat ataacttgaa aattttttat actgaggggt 60
tgggtgataac tcttgaggat gtaatgcatt aataaaaatc aactcatcat tttctacttg 120
ttttcaatgt gttggaaact gtaaaatgat actgtagaac ctgtctccta ctttgaaaac 180
tgaatgtcag ggctgagtga atcaaagtgt ctagacatat ttgcatagag gccaaaggtat 240
tctattctaa taactgctta ctcaacacta ccaccttttc cttatactgt atatgattat 300
ggcctacaat gttgtatttg ttatttatta aattgtgatt gttttattat tgtttatgcc 360
aaatgttaac tgccaagctt ggagtgacct aaagcatttt tt 402

<210> 331
<211> 351
<212> DNA
<213> Homo sapiens

<400> 331
ctgggaaatt gagtttttga ctgaaacatg gagccttcac tgcttttttt ctgggttccta 60
tgaagatttg gaacatagaa aacacaaaaa ctacacctaa aatttgagca ggctcggtgat 120
ggcaaaaata attttaagga aaaaggaata ttcttatgta gttattctaa agtttaagga 180
gcgttggttg ccataatatt gcttagtttt cttactgctg ttaagtaagt aaattgtttc 240
aaagtaggtt ttgtgtgtgt gtgcctagtg taaaagaact gaaattttga tgcttacagc 300
acttggctcg tgcatttgta tcaaaatttg cctgcctctt tatgaggag g 351

<210> 332
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 92, 472, 473
<223> n = A,T,C or G

<400> 332
cctatgtttt gaacgagacc aatctgttgg agaccctaaa attgacttaa ttagaacatt 60
aaatattcct gtattgactg tcatagagtg gncccagggt cacttcctca gggagatcat 120

05920300.073401.0


```
<210> 333
<211> 342
<212> DNA
<213> Homo sapiens
```

```
<210> 334
<211> 280
<212> DNA
<213> Homo sapiens
```

```
<210> 335
<211> 447
<212> DNA
<213> Homo sapiens
```

```
<210> 336
<211> 196
<212> DNA
<213> Homo sapiens
```

<221> misc_feature
 <222> 119, 170, 183
 <223> n = A,T,C or G

<400> 336
 aaaaaaaaga cattttattca gcgtcacgat cagactgtta catttagcaa tcaacagcat 60
 ggggtgcaaa aaaaaaaaaa tctacattaa aaccctttgt tggaaatgctt tacactttnc 120
 acagaacaga aactaaaata acctgttata caattagtca caaatacagn cctcgagttt 180
 ttngcccata cacatg 196

<210> 337
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 337
 ctgacgcgtc atttcagcat ttttccagcc ttttttgaag ctctctagga agccttcccg 60
 tggaggtaat ttgtccaggt catgtacaac acgctggggg attttaagta cagtgcgtac 120
 tgctggaatc cggagacagg atacttggaac cagggaaaac agattggagg agagccagta 180
 cataaacact gccgtgggga aatgcatggt tatgggcaag gttatcaggg gcatcattct 240
 gatgacattt ctcatccact gaaggtcaga actttgcaca cctgtctcag cacctagctc 300
 aagaacagcc cacattgtag cagtgcactgc cagtggtaat atgtagatgg gatcggatac 360
 cgtgagatcc tggaaaccacc agaggccacc tgtctgcagg ctgggcacag gaaggttgg 419

<210> 338
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 338
 aaatgcaaat ttttacatta aaatatgttt ataaatcata gtagttgttt tccctcttga 60
 ttcaacattt ctccctcccc taacaggagc cctagaacct gaagagcatg tacattacta 120
 acgagatata caatccagcc accctgtcca aactggaatc tgattactaa tggactacac 180
 tcgaggctgc ccccaaggga tgggaagcag taactacgct ctcagggaga atgggtactg 240
 aggatgccac cagtcaaaga gccgaacgct gtgcactggg tccaggatga cttgcacacc 300
 ctgttactg cgcagtttcc gaccaccatg gacaggggaa tcttggaaaca ccagtctcac 360
 tcgatgatgc cgcagtgtccg tgctcacatt gatagtaaac agagtaaata tcattcccat 420
 gacaatcgga ataaagatga aattgagggt ggtgacctgc agtaggcagc agtcctggtc 480
 tggatttgta t 491

<210> 339
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 339
 ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60
 ggggccagcg ccatccgtct acttacctcc cttcggggca agcacacca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180
 tggagagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctctgatgc tgg 323

<210> 340

05920300 "073104

<211> 512
 <212> DNA
 <213> Homo sapiens

<400> 340
 gctcccccta ctgcctatat cgacttcgcc cggcagaagc tagatcccaa gattgctgtg 60
 gctgcgcaga actgctacaa agtgactaat ggggctttta ctggggagat cagccctggc 120
 atgatcaaag actgcggagc cacgtgggtg gtcctggggc actcagagag aaggcatgtc 180
 tttggggagt cagatgagct gattgggcag aaagtggccc atgctctggc agagggactc 240
 ggagtaatcg cctgcattgg ggagaagcta gatgaaaggg aagctggcat cactgagaag 300
 gttgttttcg agcagacaaa ggtcatcgca gataacgtga aggactggag caaggctcgtc 360
 ctggcctatg agcctgtgtg ggccattggg actggcaaga ctgcaacacc ccaacaggcc 420
 caggaagtac acgagaagct ccgaggatgg ctgaagtcca acgtctctga tgcggtggct 480
 cagagcaccc gtatcattta tggaggctct gt 512

<210> 341
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 341
 ctggtaggga gcaattctat tatttggcat tgcattggctg ggttgaatta aaacagggag 60
 tgagaacagg tgagtctaga agtccaactc tgaaaaggac cactgtacat ttgaacacac 120
 ggctgtgtta aagatgctgc taatgtcagt cactgggtgc actaaaggat ctcttatttt 180
 atgtaaaacg ttgggattga caagatagat ctgatactct gttaagttac cctctgaagc 240
 tacttcttgt gaaatactaa tgacagcatc atcctgccaa gcgaaagagg caggcataag 300
 caaggacaaa ttaaaagggg gtaagagcct tatcatgatg aggagtcttg ttttgacatc 360
 ttgggaaaag ctgtccatag tgtgaagtcg tcaatttctc accatgggtt gcagtttgcc 420
 tgtctctagt taggtgaagt ctctgagtgg cacacacctc agg 463

<210> 342
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 342
 cctagtgtga tgcgggtcgg tcctgcccaa ggccccagtg aggggagccg aggctaggaa 60
 ggggcaagtt ttatgtgttt gggagggggg gtctcttccc ggccctctgcg tcttccccct 120
 ggagcgtcag tatggtcggg ctctggtgac ccagccgctt tgccctccga ctttgggaag 180
 agtagcaagg agaggctctg gcaagtacac cctgggtgac aaacggctat gagagttccc 240
 aggtgatttc tcgagcagct tcagtttacc ggagcccagc caggagagag aatttttagca 300
 caggaaacgc aatcccgtgt ccaagctcct agaataccca ggactgagaa ccaaagcaac 360
 agacttttcc cagggagcca cactgcctcc ccacctcttc ttttaaccct cacttggca 419

<210> 343
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 343
 ccttggtgtc ttcacatata ttctctgagc caacatctat ccagcagccc tgacctcctg 60
 ctataattta agtctatttc cttttaatct aataagagtt gatagtaaaa aggcaggtga 120
 tggaaatcag tgtataaatc acaatggagt atattggcaa ctccacagct tatagtttga 180
 taaaggcaaa tacatgaaaa ataaaaatgc tactaatgcc ccaaggtgtc tatcaaaatg 240

0950300-073101

atgtaggggg tatcttaaac tgtccaaggc aatcatgcat tgaactttat tcctatgcag 300
 agccaaaacg aatagtgttg ataaaatagc taaactttct aaactggaga ggaggctaca 360
 gtgccagaga gttattgtct cttttgcttt 390

<210> 344
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 344
 ctgaagaaat cgaaaggatg gttaatgatg ctgagaagtt tgctgaggaa gacaaaaagc 60
 tcaaggagcg cattgatact agaaatgagt tggaaagcta tgctattct ctaaagaatc 120
 agattggaga taaagaaaag ctgggaggta aactttcctc tgaagataag gagaccatgg 180
 aaaaagctgt agaagaaaag attgaatggc tggaaagcca ccaagatgct gacattgaag 240
 acttcaaagc taagaagaag gaactggaag aaattgttca accaattatc agcaaactct 300
 atggaagtgc aggccctccc ccaactgggtg aagaggatac agcagaaaaa gatgagttgt 360
 agacactgat ctgctagtgc tgtaatatgg taaatactgg actcaggaac ttttgtagg 420
 aaaaaattga aagaacttaa gtctcgaatg taattggaat cttcacctca gagtggagtt 480
 gaaactgcta tagcctaagc ggctgtttac tgcttttcat tagcagttgc t 531

<210> 345
 <211> 222
 <212> DNA
 <213> Homo sapiens

<400> 345
 ccatcataga agcattaagg aaggagagga atacatagat ttgagatcta tttgtaagta 60
 gaactaatgc atcttgctga gtgttgatc tgtaagacta caggaaggac gggaatcaaa 120
 aatggtttct gctggacgag gtggctcatg cctgtaatcc cagcactttg ggaggccgag 180
 gtgggcggat cacctgaggt caggagtttg agagtagcct gg 222

<210> 346
 <211> 516
 <212> DNA
 <213> Homo sapiens

<400> 346
 ctggggccac tgtcggcatc atgattggag tgctggttgg ggttgctctg atatagcagc 60
 cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
 tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacag aaaagactct 180
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaatata 240
 aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
 ggagaatcgc ttgaaccocg gaggtggaga ttgcagttag cccagatcgc accactgcac 360
 tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
 tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaaacttta 480
 atgaactaac tgacagcttc atgaaactgt ccacca 516

<210> 347
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 347
 aaaccaaatt ctaaccagcc tatccccagg tagggggagc ttggttatat tctgttagag 60

```

ggggacggtc gtattttccct ccctaccgc caagtcaccc tttctactgc ttttgaggcc 120
ctccctcagc tctctgtggg taggggttac aattcacatt ccttattctg agaatttggc 180
cccag                                           185

```

```

<210> 348
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<400> 348
cttgaggctt tcaggggttg tgacatcaag gctcaacctg tggatcagca ggaccagga 60
atctggagat caggaccccc aggaggcaca gaaagcatca tctgcaaccg agaggactca 120
gtggggacag aaatctgact cctcgttga cgctgagggtg tgacaagccc cgccaagaca 180
gacctgcaag tcttcgtctc aagggaacct cctcatgcca ggccctgcc tctcacagca 240
gcacctttc ctctcattgt ccctgttccc tttttgctg tggatctgtt tgg          293

```

```

<210> 349
<211> 567
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 563
<223> n = A,T,C or G

```

```

<400> 349
ccaccatcat ttaatgacat tcaattaagg atttcttgaa caatttctac caaaaaaata 60
atttctcct ctaaaacatt gataaaattg ataactgggt acctaacagt tgcaaaacat 120
gtctacacca ttcttttagta tgaaaagcaa cataaaaaaa tggagcatca aaatatttta 180
tttcaaattt attttatgcc agatccaagc tgtaactgga acctattccc agtctatggg 240
tttctgaatt tcattttcct atttattgta tttttatgag aaacttggtg taatgagtct 300
gtaccacttt atttgacatt tactaaagct gtataaaagc cgtgcacagt ttatttacag 360
tattgtacat taaatgataa tgtttgaaga tcacacaaag atttcacaaa actataacta 420
atacagaaag atgtgtgaaa acattagggg ctttcaaaat tttagggtatg gaattttgca 480
aagattattt tggcttataa gtgttaggca atcactaacc tgaaataagt gacaaaaaca 540
tgcagatgat taccatttca acnaatg                                           567

```

```

<210> 350
<211> 528
<212> DNA
<213> Homo sapiens

```

```

<400> 350
cagagatcac gccactgcac tccagcctgg gcaacaagag tgaaactccg tttcaaaaaa 60
aaaaaagaaa ttagacgtta aaaaaagatg tgacacatca tatcaaaatt gtctacacta 120
cattaaagga gttaaaaaata ctgaaatgta gcaagacgaa cttgtctcga gacagggtct 180
tgctctgttg ccagggctgg ggtgcagtgg cgccattatg gctcactgca gtctcgacat 240
ccggttctca cgcaatcctc ctgcctctgc ctcttgagta gctaggccta cagctatgtg 300
ccactacgcc cagctaattt tttgtataga tgaggttttg ccttttttcc tttctgtaga 360
gatgaggttt tgccatgttc gccaggctgg tctcgaaact ctgacctcaa gtaacccgcc 420
cacctcagcc tcccaaagtg ctgggataac aggtgtgagc caccaccacg cacagccaaa 480
aatgcctttt tttttttttt gagacggagt ctgcgtctgt catccagt                    528

```

<210> 351
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 192
 <223> n = A,T,C or G

<400> 351
 tttttttttt tttttctggc tctagagggg gtagaggggg tggtataggg taaatacggg 60
 ccctattttca aagattttta ggggaattaa ttctaggacg atgggcatga aactgtgggt 120
 tgctccacag atttcagagc attgaccgta gtataccccc ggtcgtgtag cggtgaaaagt 180
 ggtttggttt anacgtccgg gaattgcac tgtttttaag cctaattgtg ggacagctca 240
 tgagtgaag acgtcttggt atgtaattat tatacgaatg ggggcttcaa tcgggagtag 300
 tactcgattg tcaacgtcaa ggagtcgcag gtcgcctggt tctaggaata atgggggaag 360
 tatgtaggag ttgaagatta gtccgcc 387

<210> 352
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 465
 <223> n = A,T,C or G

<400> 352
 aaacaatttg ttaaaaaatt ttccgtctta tttcatttct gtaacagttg atatctggct 60
 gtccttttta taatgcagag tgagaacttt ccctaccgtg ttgataaat gttgtccagg 120
 ttctattgcc aagaatgtgt tgtccaaaat gccgtttagt ttttccttat ttctcttgct 180
 ctttcgtaca gggaggaatt tgaagtagat agaaaccgac ctggattact ccggtctgaa 240
 ctcatgcac gtaggacttt aatcggtgaa caaacgaacc tttaatagcg gctgcaccat 300
 tgggatgtcc tgatccaaca tcgagggtcgt aaaccctatt gttgatatgg actctagaat 360
 aggattgcgc tggtatccct agggtaactt gttccgttgg tcaagttatt ggatcaattg 420
 agtatagtag ttgcgtttga ctggtgaagt cttagcatgt actgntcgga g 471

<210> 353
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 353
 ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaaggccgac gaggatgact 60
 agacagcaaa aaaggaaaag ttaaaactaaa aaaaaaaggc cgccgtgacc tattcaccct 120
 ccacttcccg tctcagaatc taaacgtggt caccttcgag tagagaggcc cgcccgccca 180
 ccgtgggcag tgccacccgc agatgacacg cgctctccac caccacaacc aaaccatgag 240
 aatttgaac aggggaggaa aaaagaacca aaacttccaa ggccctgctt tttttcttaa 300
 aagtacttt 309

<210> 354
 <211> 321

09960360.023101

<212> DNA

<213> Homo sapiens

<400> 354

```

cggccgaggt ctgttcagta tggcaaaggg cagacttact ccttcaccca ctctgctgcc 60
ttgatgaggt gaacacactg gaataagatg gagggcagga tacctgccaa agcttgagga 120
atgagatgat ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact 180
gcagtttatg ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca 240
gccaggctag gccaaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg 300
gcctgtcagc atctgcagca g                                     321

```

<210> 355

<211> 357

<212> DNA

<213> Homo sapiens

<400> 355

```

ccaaacttgc atttgcattt tgcactcatg acgatgatga tgcccatggc gcacagaacc 60
ccagcgcaga tgagcccgcc aacctggagg ctgtgccagt catagtagaa aggactgttt 120
ttatcttcta ggtcattggc gtccaggaca ggaaagcctg ccaggaacac aagcaggccc 180
agggtcacct tctgcatgtc agagcgtggt cctcttaagc ctctttccag gggctcctcc 240
aagccacctc tggcctgcaa ggccccacta taccctcttc ccatgatgtc atccagccaa 300
gactgacaga tggtatcctc ctgcgccag cctctgtgtg gttcaccagg ctgagca 357

```

<210> 356

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405, 406

<223> n = A,T,C or G

<400> 356

```

cgccgcccgt tgtgctgcag ccatgtctct agtgatccct gaaaagttcc agcatatitt 60
gcgagtactc aacaccaaca tcgatgggcg gcgaaaaata gcctttgcca tctactgccat 120
taagggtgtg ggccgaagat atgctcatgt ggtgttgagg aaagcagaca ttgacctcac 180
caagagggcg ggagaactca ctgaggatga ggtggaacgt gtgatcacca ttatgcagaa 240
tccacgccag tacaagatcc cagactggtt cttgaacaga cagaaggatg taaaggatgg 300
aaaatacagc caggtcctag ccaatggtct ggacaacaag ctccgtgaag acctggagcg 360
actgaagaag attcggggccc atagagggct gcgtcacttc tgggnncctt cgtgtccgag 420
gccagcacac caagaccact ggccgcccgt gccgcaccgt ggggtgtgtcc aagaagaaat 480
aagtctgtag g                                     491

```

<210> 357

<211> 237

<212> DNA

<213> Homo sapiens

<400> 357

```

ctgttgctgt tattacagtc cagcttagaa gacaatacgt caggaaatat gaaggagaag 60
ctgaggaacg aaagaaactt cgacaagaga atggaaatgt acatgctata gcataactga 120
agataaaatt acaggatatc acattggagt cactgccaa gtcatagtcat aaatgatgag 180

```

tcggtcctct ttccagtga tcataagaca atggaccctt tttgttatga tggtttt 237

<210> 358
<211> 434
<212> DNA
<213> Homo sapiens

<400> 358
ctggggaggg cagcaatcta gcacgtttac caggctcaca gatggctcta gcttgaattt 60
gcgtgtgatg gcacttagaa cgcgtagctg ggaggcccg tccatcatttg cccccacaaa 120
caccagcttg tcaaatctgc caggccgcag aagggcaggg tccaggagat ctgggtctgtt 180
ggtggctcca atcacaaaca catcctgagt gctgtgcagc ccatctagct cggcaaggag 240
ctgagacacc accctgtcca tcactcctcc agaattctca cttcgccccc ggcttggggc 300
caaagagtcc agttcatcaa agaagataat gcatggagct gcagccctgg ccctggcaaa 360
cacttcccgc acattctcct cactttggcc cacatacatg ttaatgagct ctggcccctt 420
cacgctgagg aagg 434

<210> 359
<211> 219
<212> DNA
<213> Homo sapiens

<400> 359
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gccttttttg cticcttagc agccctgata gcttgttctc 180
gttgagccct tctaacttca gggtttctgat tccctcttg 219

<210> 360
<211> 361
<212> DNA
<213> Homo sapiens

<400> 360
aaaatcctgg ataattatat acttaaagct catgagcata aagctcactt gaccatgcag 60
aatgctggg aagcagggtg catggcatgg gaatacatct ccctgatctt tgagagagcc 120
tctctggata ttctttcaga gcatgagcca ggatgtactg actactttct tcacacatca 180
gttgcccttt atgatctcag ttcataaact ctttgtggta tgtagcaatc aaaagtcata 240
ttacttctgt aaaactaaca ttatataggg tgtatagtcc cagacaaatt atatgaagct 300
agatttttct tgccctggcc caatttatca ttccctcctcc tgcccacacc tacctccctt 360
t 361

<210> 361
<211> 497
<212> DNA
<213> Homo sapiens

<400> 361
aaatacaggt ttgtagggtg gtattttgtt ttttccagct ataaaaaag gcccaaaagt 60
gcatgtgtga ggggggaaag gcagaaatta agcaataaag tcattttccc tggagggaca 120
tgagaggag aaaacaggag gcagtgtctg gagaacgcac tttcctcacc actgggcttc 180
ttgttattct tagtattggt ccacaaaagt tatattcaca ttctagcttt gatgcctctt 240
tcctgggatt aaatgagctg aaagacctct gtgaactgta gagaagacca ggggctcagc 300
ccagcccagc ccagcccctc agggctctgt gctcttctag ggatggatgg ttttggtaaa 360

05920300-073404


```

gaacagacgc ccagcagccc ccggtcactc agcaccagtg tgacagtccc tcctctctct 420
gggggtgtgt aagaaaacgg cccctatfff taggacagga agagtagagg gggggcctgc 480
agcaagattc catgact                                     497

```

```

<210> 362
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 362
aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac tattaggagg 60
gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta aaatagaata 120
aagaatgagt cagatgagt tagccatfff aaccaagcag cacatftgtt aatftctaca 180
acttagtctc agcgataccc attgtatfta gccatgttca acaacaagtg tcagaaactg 240
cacagactcc tccctgttca g                                     261

```

```

<210> 363
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 46, 126, 132, 156, 225
<223> n = A,T,C or G

```

```

<400> 363
gtacaagctt tftftftftt tftftftftt tftftftfta tgggngcgt gcaggtagag 60
gttactaaa agtgtgaaaa cgtgggcttg gattaaggcg acagcgatft ctaggatagt 120
cagtanaatt anaattgtga aaatgataaa gtgtanaggg aaggftaatg gttgatattg 180
ctaggggggc gcttccaatt aggtgcatga ataggtggcc tgcantaatg tt          232

```

```

<210> 364
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 364
ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
gtactaccag tcaggtagca ggagtctaag agaatatatg cttatggagc tgcttgtgat 120
gcacatggaa gaacctgtgt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
ctaccctacc ttaggaaca catccgggat tctaggatft tctgtcactg tggggactca 240
ggcaacaaaa tacaattctg aagttgttga taagaagata gaagagtttc tftctagctt 300
tgaggagaag attgagaacc tactgaaga ggcattcaac acccagggtca cagctctcat 360
caagctgaag gagtgtgagg ataccacct                                     390

```

```

<210> 365
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<400> 365
ctgtgcaga tgctgacagg ccctgggagg ctgtgtgtct ctggagaagc tggagcagct 60
catttcttgg cctagcctgg ctgcctcaga aagagcagtc aggacttgag ggaagcatca 120

```

0990300 073104

```

aattctatac ccataaactg cagttggaag tcagcttttt gaaatgtcca gcctttgccc 180
aattgtttca gatcatctca ttcttcaggc tttggcaggc atcctgccct ccatcttatt 240
ccagtgtgtt cacctcatca aggcagcaga gtggatgaag gagtaagtct gccctttgcc 300
atactgaaca g                                     311

```

```

<210> 366
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 522, 543, 582, 590, 597
<223> n = A,T,C or G

```

```

<400> 366
aaaagatatt taagtttaaat acaaatttta taaaaagaaa atgtgaaaaa atacttccat 60
atgctaaaag caattatgct tcacaaataa ggccagctag gctatTTTTT ttttttgaca 120
actgcaattc acaaatgttc tttctctcct gttttcttct aatactctct tatttcttct 180
ctaatatggg taactagctg gaaactgtac agttcgcac cttttaacaa tgaagagaaa 240
gtaaacaaga ctaaaatgta caacaaaacg tactggaatg ataatcgtac attaatTTTc 300
tcatatacat acatcacctt ttgctTTTTc atcaatgctt tttgttttac acaacataca 360
aaatggctct acagcatagc tagtgtacgg acagcatgac gggccttgct ttctctcata 420
ctgcctgtgt ttcatgctta cataaaaaacg tgaaattcca tcatataaat aatacgta 480
tgcttcatcc cagactcaaa cgtcctctgc gtgcaccttg cntttgagtc cttgcttcca 540
agnagcacag catctctgac caagtgtgtg tgagtgtgtt tntgtgctgn gagctgngtt 600
catgtatgtg c                                     611

```

```

<210> 367
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 367
aaaatcagtt acggcaattc acttaaggag cttgagggcc gtgttaaaaag gagccagggt 60
ttcacaaagac ctcatccacc tctgcacatt ggctggcact gccacactgc agcctccgat 120
ctgctggagt acagaccaca gcaccacgtc tgctacggtg agttcattcc cagcgagcca 180
agggtctctt ccaagagcag agttcatgga gcggaaaaca gcggcttttt ctttactgct 240
tccctctttt aactgaaaaa tcgcaatata taccagcta tctataaggg ttgcgttgac 300
agcattatgc ttctgg                                     316

```

```

<210> 368
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 368
atcagcctct cttactgtac tctccgggaa tgtaaacctt tctattttca gcctgtgcca 60
cctgtctaga caagctggct tccccattgg cccctgtggg tccacagcag cgtggctgcc 120
ccccagggcc accgcttctt tcttgatcct ctttccttaa cagtgacttg ggcttgagtc 180
tggcaaggaa ccttgctttt agcttcacca ccaaggagag aggttgacat gacctccccg 240
ccccctcacc aaggctggga acagagggga tgtggtgaga gccagggttc tctggccctc 300
tcca                                     304

```

05500300-073404

<210> 369
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 369
 ccagggtgatc atttttctac aacggcattt ctcaacctcg gctgcatata aaattacctg 60
 ggagctttct aaaaattctg aaatttggtc ctaattctca gcagattctg acgtgattaa 120
 ttgggggtga gtgccaggta ctgttttttt gggttttttt taatctccct aggtgatttt 180
 aatgtgaaac caagattgaa gcctcagtct gaagaaaaat agattcatag aaaactctgg 240
 cccctccccg ggggcctgcc ctgctcgctt caacatcttg tgcttttttg caagagaggg 300
 ctgaggagcc tgctggctgc tctctgcctg ggcccgggcc ctgtctcttt ggtatcagat 360
 tctgagcagg ggagggagct ggaaggagat gcagcagagg aagccaaatg ccctcaacaa 420
 cac 423

<210> 370
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 370
 atttaactgt ggggttggcg ctgtccttgt ggtatcaaag gagcagacag agcagattct 60
 gagggatatt cagcagcaca aggaagaagc ctgggtgatt ggcagtgtgg ttgtacgagc 120
 tgaagggtcc ccacgtgtga aagtcaagaa tctgattgaa agcatacaaa taaatgggtc 180
 agtgttgaag aatggctccc tgacaaatca tttctctttt gaaaaaaaaa ggccagagtg 240
 gctgtcttaa tatctggaac aggatcgaac ctgcaagcac ttatagacag tactcgggaa 300
 ccaaataagct ctgcacaaat tgatattgtt atctccaaca aagccgcagt agctgggtta 360
 gataaagcgg aaagagctgg tattcccact agagtaatta atcataaact gtataaaaaa 420
 cgtgtagaat tttgacagtg caattgacct agtccttgaa gagttctcca tagacatagt 480
 ctgtcttgca ggattcatga gaattc 506

<210> 371
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 371
 cctttcatcc ctcggtgtgt ctatggatgg cttctaaca aaactacaca tatgtattcc 60
 tgatcgccaa cctttccccc accagctaag gacatttccc agggttaata gggcctggtc 120
 cctgggagga aatttgaatg ggtccatttt gcccttccat agcctaatac ctgggcattg 180
 ctttccactg aggttggggg ttgggggtga ctagttacac atcttcaaca gacccctct 240
 agaaattttt cagatgcttc tgggagacac ccaaagggtg aagccattta tctgtagtaa 300
 actattttatc tgtgtttttg aaatattaaa ccctggatca gtcctttgat cagtataatt 360
 tttt 364

<210> 372
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 372
 ctgggtcccc ccagcaggct ccaccgctga gggtcctgac attagctgtc agcccctggc 60
 ctgctcagac tgcaaacggt catacaaagt ggtctaggga ccagcaaaaa taataaacca 120
 ccccataaa cagacacata cacaaagtag atttgttacg cagtttaca gcatgttccc 180

atcacacagc aagaccagga caggtgattc agggtagcag ataagggaag acacaaaaac 240
acaggaattg aaaaggcaag acccccgtcc ac 272

<210> 373
<211> 462
<212> DNA
<213> Homo sapiens

<400> 373
aaatgtttta ggcaacctaa gaacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggatttca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttg atacttgcct aacatgcatg 180
tgctgtaaaa atagttaaca gggaaataac ttgagatgat ggctagcttt gttaaattgc 240
ttatgaaatt ttcatgaaca atccaagcat aattgttaag aacacgtgta ttaaattcat 300
gtaagtggaa taaaagtttt atgaatggac ttttcaacta ctttctctac agcttttcat 360
gtaaattagt cttggttctg aaacttctct aaaggaaatt gtacattttt tgaaatttat 420
tccttattcc ctcttggcag ctaatgggct cttaccaagt tt 462

<210> 374
<211> 506
<212> DNA
<213> Homo sapiens

<400> 374
ttgttttggt acatagtgtg caacaaatta caatattctg cagccacaaa ttatatgcag 60
agtatgaaga aactattaat cagatagtgt aatctttcca tttataactc tacaaggaag 120
aactagcaaa tcagatctta catataacat ctactaaac tttatgcatg gaaagtgaca 180
gacactgctt gtgctgtttg atacaaaatg gctgaacttc atcttcagaa gactaaacct 240
gacatctaaa catgccaata taaacatcaa aacaaaatat attctaacca accacgggaa 300
acagtctggt atcaggaaag caacaaggat tacacacatt attttataaa ccagcacaca 360
aaggttttaa acagttctga aaatgaagtt agctgtcttg agtcaaggga ataaaaaaaa 420
agtcagtatt gaccatttac aatctctgac ctttgtggag acggttaagaa tctgtttag 480
tgcagctaca tacagtacaa ttcagg 506

<210> 375
<211> 425
<212> DNA
<213> Homo sapiens

<400> 375
cctggcggaa agaaggctct agaacctgct tatagagcca caacagggtg cagacaactg 60
tgatgtcagc caatgtcact cgttcgcccc ccagaaaagt cctcgtcttc aagtaagcat 120
ccagcagccc tagaattcgc ctcaacttct cctttgcatt ctcaagtggc tgtttgttgt 180
ggtgcatgat gcccaagggt gggaacaccc aggtactggc tggggggcact atatcggaat 240
cagcaaagct caccactgac accacctggg ctgctgcctc tggagtactt ccccgagct 300
cctcattgct cacatagtag gcaatggcgt tgctctcaaa cacacagaat ccatcatcac 360
cctcaaagtc tgggaccttg ccggcaggaa atttgcggag aaattcaggg gtgcggttgg 420
tttgg 425

<210> 376
<211> 417
<212> DNA
<213> Homo sapiens

ctaataatttc	actttacatc	caaacatcac	tttggtctcg	aagccaaagt	gatgtttgga	60
tgtaaagtga	aatattagtt	ggcggatgaa	gcagatagtg	aggaaagttg	agccaataat	120
gacgtgaagt	ccgtggaagc	ctgtggctac	aaaaaatgtt	gagccgtaga	tgccgtcgga	180
aatggtgaag	ggagactcga	agtactctga	ggcttgtagg	agggtaaaat	agagaccag	240
taaaattgta	ataagcagtg	cttgaattat	ttggtttcgg	ttgttttcta	ttagactatg	300
gtgagctcag	gtgattgata	ctcctgatgc	gagtaatacg	gatgtgttta	ggagtgggac	360
ttctagggga	tttagcgggg	tgatgcctgt	tgggggccag	tgccctccta	attgggg	417

<211> 457

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

cctgacattc	ctgccttctt	gtactaataa	gaaaaataaa	acaaaatagt	gttgaagtat	60
tggggcgggc	aaaattttgg	ggagtggat	ggagagagaa	tgggcaatgt	ttctcagggc	120
tgcttcaagc	gggatcaggg	gcggcgtggg	aacctagagt	gggagagatt	aagctgaagg	180
gagatcttgt	ggttaaggggt	gatattgtgg	ggttgttaga	agcaacattt	gtcgtgtaga	240
attattggtg	atggcctgga	tatggttttg	tatgaattga	aaaactaaat	ggaataagaa	300
aaggagaaaa	acaggtataa	aaggactaag	aattgggagg	acctangaca	tctgattaga	360
gagtgcctaa	ggaggttcag	catagtccctg	ccagcaaaga	ttattttattt	acttcaagng	420
tttagagtgg	cagtttgggg	atagcacgaq	gaqatac			457

$\langle 211 \rangle$ 315

<213> Homo sapiens

ccaggaggca	gtggaggaaag	tgggggttat	ggtggggagga	gccgatactg	agcttcttcc	60
tatttgccat	gggcttcact	gtataaaatag	gagaggatga	gagcccagag	gtaacagaac	120
agcttcaggt	tatcgaaata	acaatgttaa	ggaaactctt	atctcagtca	tgcataaata	180
tgcagtgata	tggcagaaga	caccagagca	gatgcagaga	gccattttgt	gaatggattg	240
gattatttaa	taacattacc	ttactgtgga	ggaaggattg	taaaaaaaaa	atgcctttga	300
gacagtttct	taqct					315

<211> 552

<213> Homo sapiens

<221> misc feature

<223> n = A, T, C or G

gcqagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60

actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctattttag tagtatgtacag 240
aacatgatca aggggtgttac actgggcttc cgttacaaga tgagggtctgt gtatgctcac 300
ttcccatca acgttggttat ccaggagaat ggggtctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat acatccgcag ggttcggatg agaccaggng ttgcttggtc agtatctcaa 420
gccagaaaag atgaattaat ccttgaagga aatgacattg agcttggttc aaattcagcg 480
gctttgattc agcaagccac aacagttaaa aacaaggata tcaggnaatt tttggatggg 540
atctatgtct ct 552

<210> 380
<211> 139
<212> DNA
<213> Homo sapiens

<400> 380
aaataactat tcctcctcca ttccatcgac tcccagcacc agccaggagg accctcagtt 60
cagtgttcct cccactgccac acacacccac gcccgtttgc aagcgggtcca tgcgctgggc 120
caacctgttt acatctgag 139

<210> 381
<211> 186
<212> DNA
<213> Homo sapiens

<400> 381
ccaggcatgg tggcacatgc ctgtgggtccc agctactcag gaggcggagg cgggagaacc 60
ccttgagcca gggagttgga ggttgacagt agccgagatc gtgccacagc actctagcct 120
ggcaacagag cgagactccg tctccaaaaa aaaaaaaaaa agaagatagt ttacacaaca 180
ccacag 186

<210> 382
<211> 403
<212> DNA
<213> Homo sapiens

<400> 382
tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcggcgg ctccgaagcc aaagtgatgt ttggatgtaa 120
agtgaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataagacgt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctccaagtac tctgaggctt gtaggagggg aaaatagaga cccagtaaaa 300
ttgtaataag cagtgccttg attatttggg ttccggttgt ttctattaga ctatggtgag 360
ctcaggtgat tgatactcct gatgcgagta atacggatgt gtt 403

<210> 383
<211> 436
<212> DNA
<213> Homo sapiens

<400> 383
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagt ctccatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtgggtg cgtggaggtg gtttcggtgg 120
gaatgacaac ttccgtcgtg gaggaactt cagtggctgt ggtggctttg gtggcagccg 180

tgggtggtggt ggatatggtg gcagtgggga tggctataat ggatttggtg atgatggaag 240
 caatttttga ggtggtggaa gctacaatga ttttgggaat tacaacaatc agtcttcaaa 300
 ttttggaccc atgaaggagg gaaatttttg aggcagaagc tctggcccct atggcggtgg 360
 aggccaatac tttgcaaaac cacgaaacca aggtggctat ggcggttcca gcagcagcag 420
 tagctatggc agtggc 436

<210> 384
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 384
 ccattctttt atcttgggtc catgtgagtg acagaaatgg tgcggcctgg gaaagatctc 60
 cctcctttac attttctctt ctccctcctc ctcccttattc taaaactgtg cctccaacag 120
 aggggcaggg gctctttagt agagatccct ggcccaggac aggagatgcc aaatctaatt 180
 tatctcactg agggcctttg agaaaaacgc ttctgggcca ggctcagtggtg ctcatgccta 240
 tataatccca gtactttgag aagctgaggc ggcagatcac ttgaggccag gaggttcgag 299

<210> 385
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 385
 ctaacctgtt aactgggct ggggttgggtg ggggtgttctg gcttttttgt ggggttttta 60
 tttttcctca gtccattgtt ccacgtttaa gaactaggaa taccaggact gatgcaattc 120
 tactgggtca ctatcgcttg tcacaagaca cagacaatca gaccaaagta tttgctgtaa 180
 taactaagaa aaaagaagaa aaaccacttg actataaata cagatatattt cgtcgtgtcc 240
 ctgtacaaga agcagatcag agttttcatg tggggctaca gctatgttcc agtggtcacc 300
 agaggttcaa caaactcatc tggatacatc attcttgta cactacttac aaatcaactg 360
 gtgagactgc agtcagtgtt tttgagattg acaagatgta caccctcttg ttcttcgcca 420
 gagtaaggag ctacacagct ttctcagaaa gg 452

<210> 386
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 386
 aaaactgtgg caccttattt cttttgaaat gtcactttat aagggtgtatg tagaaagcaa 60
 cagcagcagt taaaaaatgt tgtctgagtg attctgagag ctcaaaacaa ggatccgcgt 120
 ataggctgaa gaaaaagacg ttcagttaac agtgcgcgct gtagaacttt aacacaagtc 180
 ttcagggtga attcctgtgt aaaccttagt agagatgcga ctacacggaga ccaaaagtaa 240
 aaatctcttt accgtttaca gtttagtgag gtggtctgca ttctcgcaaa cgacttacaa 300
 agtacaagaa atgttgcggtg tgagtattag gcatagaata tttcattttc ttacggaagg 360
 agcagcaggg gacaggaaac ctagtggacg ccccgccacc acctttcccg aagatgcaca 420
 cccccaggaa cggcagtgca agcctggcag caagccaccc ttacaattct ttttgggttg 480
 tt 482

<210> 387
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 387
gaacctgcta aggctgcctc agacctgact gcctgggttca gcctcttcgc tgacctcgac 60
ccactctcaa atcctgatgc tgttgggaaa accgataaag aacacgaatt gctcaatgca 120
tgaatctgta cccttcggga gggcactcac atgccgcccc cagcagctcc cctgggggct 180
agcagaagta taaagtgatc agtatgctgt ttaataaatt atgtgccatt ttaataaaat 240
gaaagggtca acggccctgt ttatatgtgt ataattatit actcttattt ggtataaagg 300
gttttcgtgt atctctatgt ggatctaaat aatacaggat tgtctagaag cggtttccag 360
gccaccgctc tctgcctac atcccatcat ggctgctgcg gtgtcactgg gctaccgtga 420
gatccaagtt gaaatcagaa gcctactttg atggtaggtt tgaatgacgt gtcctacagc 480
ctcagaggca gcaggaggct agcaaagctt aaatgcc 517

<210> 388
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 468
<223> n = A,T,C or G

<400> 388
ctgtttatga tcagcaagac tggggaggcc gagaccatca ccacccacta cctgtttcttc 60
ctgggcctct atcgtgcttt gtatcttgtc aactggatct ggcgcttcta ctttgagggc 120
ttctttgacc tcattgctgt ggtggccggc gtagtccaga ccatcctata ctgtgacttc 180
ttctacttgt acattacaaa agtactcaag ggaaagaagc tcagtttgcc agcataagtg 240
ccaaagacca tcaccagcat ctgtccttca ggggtgctcg acagaattct taccacagca 300
aaggcataag atgcttgata cggaaaaatca gaaacttaac tcttttggtt cagatagtca 360
tcagtggctc tgtaaaaaacg cagaggaaaa gagccagaag gtttctggtt aatgcatctt 420
gccttatctt tttttattac tgtgtacaaa gattttttta cacaaagnaa cttaatgctg 480
tattaataaa ttcagtgtgt agcttcaatt gggatagttc caaaagtga gattttgtga 540
ggaa 544

<210> 389
<211> 542
<212> DNA
<213> Homo sapiens

<400> 389
ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattgggtgt attggtactg 60
ttcctgttg cagagtggag actgggtgtc tcaaaccggt tatgggtggt acctttgctc 120
cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgtc 240
gtggcaacgt tgctgggtgac agcaaaaatg acccaccaat ggaagcagtg ttgcttggtc 300
agtatctcaa gccagaaaag atgaattaat ccttgaagga aatgacattg agcttggttc 360
aaattcagcg gctttgattc agcaagccac aacagttaaa aacaaggata tcaggaaatt 420
tttgatgggt atctatgtct ctgaaaaagg aactgttcag caggctgatg aataagatct 480
aagatttacc tggctacaga aagaagatgc cagatgacac ttaagacctt cttgtgatat 540
tt 542

<210> 390
<211> 276
<212> DNA
<213> Homo sapiens

099603604073401

<400> 390

```

ctgatgccag aaggaaagcc gaaatgctac aaaatgaagc aaaaactctt ttagctcaag 60
caaatagcaa gctgcaactg ctcaaagatt tagaaagaaa atatgaagac aatcaaagat 120
acttagaaga taaagctcaa gaattagcaa gactggaagg agaagtccgt tcaactcctaa 180
aggatataag ccagaaagtt gctgtgtata gcacatgctt gtaacagagg agaataaaaa 240
atggctgagg tgaccaaggt aaaacaacta catttt 276

```

<210> 391

<211> 189

<212> DNA

<213> Homo sapiens

<400> 391

```

ctgctggtgg atcagatata cgagaacgcc atgattgctg ctggacttgt tgacgacct 60
agggccatgg tgggcccgtt gaatgagctg ctgtgcaagg cctggagcg acactgacag 120
ccagggggcc agaaggactg acaccacaga tgacagcccc acctccttga gctttattta 180
cctaaattt 189

```

<210> 392

<211> 395

<212> DNA

<213> Homo sapiens

<400> 392

```

cggaacaag gcagatggag tcctggtggg aacagatgga aggtactctt cgatggcggc 60
cagtttcagg tccagtgagc atgagaatgc ctatgagaat gtgcccagg aggaaggcaa 120
ggtccgcagc accccgatgt aaccttctct gtggctccaa ccccaagact cccaggcaca 180
tgggatggat gtccagtgt accaccaag cccctcctt ctttgtgtgg aatctgcaat 240
agtgggctga ctccctccag ccccatgcc gcccacccg cccttgaagt atagccagcc 300
aaggttggag ctacagaccgt gtctagggtt gggctcggct gtggccctgg ggtctcctgc 360
tcagctcaga agagccttct ggagaggaca gtcag 395

```

<210> 393

<211> 230

<212> DNA

<213> Homo sapiens

<400> 393

```

ctgccaagga gacctgtta tgctgtggg actggctggg gcatggcagg cggctctggc 60
ttcccacct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca cctgtctga gcaacacgtg 230

```

<210> 394

<211> 522

<212> DNA

<213> Homo sapiens

<400> 394

```

ctgtggtttt gccagtcaca ctgatgagtc caaaaaacct aaagggtcaa ccagacctcc 60
agctcccagt gaaggttccc agtagctcag tgtggcaaaag gcaggtttct gtcttccaac 120
ctgccatggt tcccatgttt ccccaaaagt ttgcgtctta gaaacttaat cccagtgcg 180
gcagtgttgg gacatgggta ggtcgggagg gctctgccac tgccattaca atgaggtaat 240

```

09960300 073104

```

atccttgtca cctgagagtg gtttttgtga aggccgggtgt ggggctcctc ttgctggctt 300
gctctctggc tctctcgccc ttcccccttc tgccttccac catgggatgt cctagcagga 360
aggccctaag cagatacagg ctgttgctgt tggactttgc agcctccaga actgtaagaa 420
atacatttct tttctttata aattacctac tctgtggtat tctgttacag gaacacaaaa 480
cagaccaaga caccaacctt gacctgctct gtccttccct tc 522

```

```

<210> 395
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 395
ccgcctccgc cgcgcgcctc ctccgcgcgc gcggactccg gcagctttat cgccagagtc 60
cctgaactct cgctttcttt ttaatcccct gcctcggatc accggcgtgc cccaccatgt 120
cagacgcagc cgtagacacc agctccgaaa tcaccaccaa ggacttaaag gagaagaagg 180
aagttgtgga agaggcagaa aatggaagag acgcccctgc taacgggaat gctaagtagg 240
aaaatgggga gcaggaggct gacaatgagg tagacgaaga agaggaagaa ggtggggagg 300
aagaggagga ggaagaagaa ggtgatggtg aggaagagga tggagatgaa gatgagggaag 360
ctgagtcagc tacgggcaag cgggacag 387

```

```

<210> 396
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 396
cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60
gcgttgtcaa tatgtaccac atgaaggaag atggttgggt gaaagtagaa agtacagatg 120
tcagtgacct gctgcaccag taccgggaag ccaatcaata atggtggtgg tggcag 176

```

```

<210> 397
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 397
ctgtggcctg gccgctccca atgctggggg cttggcttgg tgccccatcc ctttctgac 60
tgagctctat gaaggactct taaaaaaata aaataaaatg caagcaaagt gctttgaaag 120
gagggaggac accctattcc tgctaagggg tagaggaaga aggtgaaggc ggctaggtgc 180
ccataagagg aggtctggcag aatcttcatt cccgccagtg tgatttcagt ctcaaaagat 240
gagtatttgg ctgagaaatg gaaggatact ccaggctccc tacggagttg tgctggggcc 300
atgctgagct gcccttgcag gcagccctgg gtgctggggg cagacatgca ggacactggg 360
aagagtcaga accacaggtg ggagggaatc tcagagccca ggctccccac tgagcttgg 419

```

```

<210> 398
<211> 478
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 466
<223> n = A,T,C or G

```

T07E0300-03401

<400> 398

```

aaattcttta  attaagggcat  tgggtcccaac  ggtgcacata  gattaaggga  ttttgcttcc  60
ttctgaacta  gatcatttgt  tagaggcttc  agaaaaagaa  aattagcttg  aaatctagtc  120
tgggaaattg  ggggcaggga  atgaaaaagt  tgggtctctg  tttctccacg  atacacaggc  180
ttcccatcta  aagtcatgct  taactaaaag  ggaaaaaaa  tgaaccaagc  aaaagtatat  240
agagtagccg  tgacatttgc  attattttct  agactttaca  tttgcctgca  acaggcataa  300
catgaaactc  cagaggggat  ttggattgat  aggaatgttc  acataaacac  cagcagtggc  360
taactgttac  acaacattca  aagtattcga  gagaactgcc  tggagacaga  gagcgagggt  420
ccacagacac  attagcacca  tactgatagg  tcatgcagca  ggatgntccc  tcccgagt    478

```

<210> 399

<211> 298

<212> DNA

<213> Homo sapiens

<400> 399

```

ctgggtggtc  ctgccctgca  tccgagaggg  tgtcgggaca  ctcatccaga  tggctctgag  60
acagcagcag  agctgacaag  gaggccccac  aagtgagatt  cctttggctt  caaggtcgca  120
agtctgttcc  ttgggcttcc  tggcctgctg  agcctcccac  cggctttacc  ctgagagatt  180
gctgcagaag  cccgtgtgct  ggaatgggct  gccacatttc  taggaaggaa  cccgggggca  240
catgtagcct  ggttattcaa  tgttatcata  gacgtgaatc  acatcctcgt  ggttgctg    298

```

<210> 400

<211> 309

<212> DNA

<213> Homo sapiens

<400> 400

```

aaagtacttt  taagaaaaaa  agcagggcct  tggaggtttt  gggtcttttt  tcttccccctg  60
ttgcaaattc  tcatggtttg  ggttgggtgg  tggagagcgc  gtgtcatctg  cgggtggcac  120
tgcccacggg  gggcgggcgg  gctctcttac  tcgaaggtga  ccacgttttag  attctgagac  180
gggaagtgga  ggggtgaatag  gtcacggcgg  cctttttttt  ttagtttaac  ttttcttttt  240
ttgctgtcta  gtcatectcg  tgggtcttct  gcttcttggt  atcgacatcg  tcatcctcat  300
catcttcag                                     309

```

<210> 401

<211> 485

<212> DNA

<213> Homo sapiens

<400> 401

```

tgactaagat  ggaagcgttt  ttgggggtgc  ggtccggact  ttgggcgggg  ggtccggccc  60
caggacagtt  ttaccgcatt  ccattccactc  ccgattcctt  catggatccg  gcgtctgcac  120
tttacagagg  tccaatcacg  cggacccaga  accccatggt  gaccgggacc  tcagtcctcg  180
gcgttaagtt  cgagggcgga  gtggtgattg  ccgcagacat  gctgggatcc  tacggctcct  240
tggctcgttt  ccgcaacatc  tctcgcatta  tgcgagtcaa  caacagtacc  atgctgggtg  300
cctctggcga  ctacgctgat  ttccagtatt  tgaagcaagt  tctcggccag  atgggtgattg  360
atgaggagct  tctgggagat  ggacacagct  atagtcctag  agctattcat  tcatggctga  420
ccagggccat  gtacagccgg  cgctcgaaga  tgaacccttt  gtggaacacc  atggtcatcg  480
gaggc                                             485

```

<210> 402

<211> 260

<212> DNA

<213> Homo sapiens

<400> 402

```
ccgggcaggt aaagctttta gagaatacac tacaccaggg agtatgacta ctagtatgac 60
tattaggagg gtaataccaa gagttggact acgcacctta ggcaagatac aaaccaacta 120
aaatagaata aagaatgagt cagatgagtg tagccatttt aaccaagcag cacatttggt 180
aatttctaca acttagtctc agcgataccc attgtattta gccatgttca acaacaagtg 240
tcagaaactg cacagactcc 260
```

<210> 403

<211> 76

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 11, 18, 30, 31, 46, 47, 61, 62

<223> n = A,T,C or G

<400> 403

```
ctggganatg ncgagctnct ctggcatctn natggacaca ttcagnntct tgggcaccca 60
nnctaagccg aatgtg 76
```

<210> 404

<211> 439

<212> DNA

<213> Homo sapiens

<400> 404

```
aaaattataa gatttacagt gccttgatta tgcaaaatag cataatggaa attaaaccaa 60
atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120
ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaagtgt 180
tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaadc 240
ctattatacc tagtgtttat actgcaacag cagcaaatct cacatgtgta atcaaagtgt 300
gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
gtacattaca ttaaccagag cgtagagttt agtacactta ttgcagggtt ggtatttctt 420
tccctctgat ctgaatcag 439
```

<210> 405

<211> 365

<212> DNA

<213> Homo sapiens

<400> 405

```
aaaaaaaaatt aattgctcca agttttcagg cccaggggag gctctcccat tctcctcctt 60
caatagtccc gtccaggaag ggtgatcttg tggataaatt catcatactt cactttgcca 120
ttgggttcga tatctgcttc cctgaagaga tcatccactt ccttgtgggt gagcttctcc 180
cccagactcg tgagttttga ccgcaggctcg gacgccatga cgtaaccttt cttctccttg 240
tccaccatca acatggctag aagaatttct ttctttgggt cttcttggtt tatttgcacg 300
tgcataatgg tcagaaaagt ggagaaatcc agctctccat ttccgtctat cccgtgggtc 360
tgacag 365
```

<210> 406

<211> 274

<212> DNA
<213> Homo sapiens

<400> 406
ctggaagcct tgttggcccc taagcctttg tttcatgcta cagtactgag gggatgtgt 60
ccccaatgca cagccacccg cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtcc ctcagctcct 180
gcctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
ctcaggttga agttcaacac tcctcaatga gcag 274

<210> 407
<211> 440
<212> DNA
<213> Homo sapiens

<400> 407
aaaaagactt gtgcacttgc ccaggctcaa ggatattaaa atctagcaca taaagcccat 60
tactagaggt agaaatacag gcaatatact attacggcaa caaccatcaa ttacagttaa 120
gaatttttct gtaacaacca aatggataat caaatattgc aacaactcaa gtattactga 180
gcaaagtgca tttctacagt attcagtgtc gctattcagt tttctaactt aaaacagcct 240
atgataactg gcagcaaaga aggtccttgc aatagactgc ctctgcttga gaacttatga 300
tgtaattatt gcatgctgct aatatactat ctaaacatta aagatactcc taaaatattt 360
gatggtagac tatgattaag acattacact acaaaaaaac cttatgcaga aggaaatcct 420
aactgacgtg cttctgcttt 440

<210> 408
<211> 266
<212> DNA
<213> Homo sapiens

<400> 408
ctgcagcttt tcaccacatt ttcaattact gaattgcatg ttttttttcc accttgataa 60
cttaggggtca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120
cccatttgta attgaagaaa ctacagaca cagtatgaac tatattatac aaaatcatga 180
ccatgagttt cagtgaagaga ttctgtctct ctcttaaagc aagaaatata ccacagctca 240
gatttacata agtagtgccg cctttt 266

<210> 409
<211> 516
<212> DNA
<213> Homo sapiens

<400> 409
ccagctttat taccagattg tcatccagct tcccatgac aacaatgtta tgtactttca 60
gatcaacaac aaaacgggag ccattctctt taccogagag ggatctcagg aattgaatcc 120
tgctaagaat ctttctata atctggtgat ctcagtgaag gacatgggag gccagagtga 180
gaattccttc agtgatacca catctgtgga tatcatagt acagagaata tttggaaagc 240
accaaaacct gtggagatgg tggaaaactc aactgatcct caccatcat caaatcactca 300
gggtgcggtgg aatgatcccg gtgcacaata ttcttagtt gacaaagaga agctgccaag 360
attcccattt tcaattgacc aggaaggaga tatttacgtg actcagccct tggaccgaga 420
agaaaaggat gcagtgaagta aaagagaaga gtttcacagg cgacaagaca aagtcctatg 480
cccatctaca gttgagagca aaatggattt tacttt 516

<210> 410

<211> 379
 <212> DNA
 <213> Homo sapiens

<400> 410
 cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt ggggggtggca 60
 cccagcgaag taaaccccaa cccccgagtg atgaatagcc gaggcattctg gctggcctac 120
 atcatcttgg taggattgct gcatatgggt ctactcagca tcccccttctt cagcattcct 180
 gttgtctgga ccctgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
 gtgaaaggga caccctttga gactcctgac caaggaaagg ctcggctact gacacactgg 300
 gagcaaattg actatgggct ccagtttacc tcttcccgcga agttcctcag catctctcct 360
 attgtgctct atctcctgg 379

<210> 411
 <211> 576
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 534, 541
 <223> n = A,T,C or G

<400> 411
 aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
 ttagagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatgggg 120
 atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcaactgtgg gttttgaaaa 180
 gggtattata cttcttaaca attctttttt tcagggaactt ttctagctgt atgactgtta 240
 cttgaccttc ttgaaaaagc attcccaaaa tgctctatit tagatagttt aacattaacc 300
 aacataattt tttttagatc gagtcagcat aaattttctaa gtcagcctct agtcgtgggt 360
 catctctttc acctgcattt tatttggtgt ttgtctgaag aaaggaaaga ggaaagcaaa 420
 tacgaattgt actatttgta ccaaactctt gggattcatt ggcaaataat ttcagtgtgg 480
 tgtattatta aatagaaaaa aaaaattttg tttcctaggt tgaagggtcta attnatacgt 540
 ntgacttatg atgaccattt atgcactttc aaatga 576

<210> 412
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 332
 <223> n = A,T,C or G

<400> 412
 ccaaattgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgcct acgggtgagc 60
 actgaagtat acattgtgcc aatgtaatta ttgtcttggg gaccttctag aacttgctaa 120
 atcatatagc aagaagagaa tgagttcagg cccagtaaat ctggtgagtt aatttacatc 180
 tgtgatactg ccgtttttcc cattaaatgt gggtatggca aagcattctt agggtaataa 240
 ataaataaat aaactttgga caatgccttt acttgtgccc tatatacaga actattccat 300
 agaattttcc aggatttcaa gatactacac anagaaaaaa actgtaaagc aatttgggtcc 360
 tttccaaatt tcagcag 377

<210> 413
 <211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 557
 <223> n = A,T,C or G

<400> 413
 aaaataatta cccatctttc agtcaataca cagccaactc ttgattatct atgagaaacg 60
 taagtgacat ttactctcaa acttcactct aacagaatca tccacctttg atacacttgt 120
 ttgtttttaca tcccatgtac actacagcct atcaagacga agttataaca caaatgttgt 180
 ttctcttgac ccattgctaga aacgtgtaag gaaatggagt gagcacattc tgctagggct 240
 ttgctgatga ccctacagtg gacagtgggg gcaggataga actctggaca tgagaaaaga 300
 caaatttcat gttcctccag aatcaggtct tacatgcctt cgttattttg ttatcacaaa 360
 attaaaaacc tgaggcttag tcactatttt atatagataa tggagagttg actgtaataca 420
 tgttatgact ttagctcttt aacatgaaaa aattcacaaag aaagcatatg ataaaaagat 480
 taaaaagact gccatgacat ctagaagcat ttattttatg caaaaaactt aaatatgatt 540
 atgtgtacac ataaangnca cacattacct atgctgaaca atgc 584

<210> 414
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 414
 ctggatggct cttatgttat catctgtttc catcgtggcc tggagttttc cattcacact 60
 gaatgtacag aagaggccgt tttcatagaa tatgacacaa tgacctctc ttgaagcctg 120
 aatgagtttt ggtttcaggc agttttcagg accctccaag gtcctcaaca agtctccatt 180
 catggaatgt atgagacatg gtccttcttg tgaaccactc aacaccagg 229

<210> 415
 <211> 597
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547, 549, 551
 <223> n = A,T,C or G

<400> 415
 ctgagagcgg aaaatggtct tctcatgact ctttgttaca ctgcaaattt tgttgacca 60
 gaggttttaa aaagacaagg ctatgatgct gcttgatgata tatggagtct tgggtgtccta 120
 ctctatacaa tgcttaccgg ttacactcca ttigcaaattg gtcctgatga tacaccagag 180
 gaaatattgg cacgaatagg tagcggaaaa ttctcactca gtggtggtta ctggaattct 240
 gtttcagaca cagcaaagga cctggtgtca aagatgcttc atgtagacct tcatcagaga 300
 ctgactactg ctcttggtgct cagacatcct tggatcgctc actgggacca actgccacaa 360
 taccaactaa acagacagga tgcaccacat ctagtaaagg gtgccatggc agctacatat 420
 tctgctttga accgtaataca gtcaccagtt ttggaaccag taggcccgtc tactcttgct 480
 cagcggaaag gtattaaaaa aatcacctca acagccctgt gaagtgacct cagttagata 540
 tttggtncnt nggtgaagct gatagcacia gttctggcga caggtagcac gtatctg 597

<400> 419

<400> 423

caagaatttg	gtgtggacgt	tggccctggt	tgctttttat	aaaccaaact	ctatctgaaa	60
tccaacaaa	aaaaatttaa	ctccatatgt	gttcctcttg	ttctaattct	gtcaaccagt	120
qcaagtqacc	gacaaaattc	cagttattta	tttccaaaat	gtttgaaac	agtataattt	180

gacaaagaaa aatgatactt ctcttttttt gctgttccac caaatacaat tcaaatgctt 240
 ttigtttttat ttttttaccac attccaattt caaaatgtct caatgggtgct ataataaata 300
 aacttcaaca ctcttttatga taacaaaaaa aaaaaaaaaa 340

<210> 424
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 424
 caaatctctt ttttttaggtt ttgtccatag catcagttga tccttactaa gtttttcatg 60
 ggagacttcc ttcatcacat cttatgttga aatcactttc tgtagtcaaa gtataccaaa 120
 accaattttat ctgaactaaa ttctaaagta tgggtatata aaccatatac atctgggttac 180
 caaacataaa tgctgaacat tccatattat tatagttaat gtcttaatcc agcttgcaag 240
 tgaatggaaa aaaaaataag cttcaaacta ggtattctgg gaatgatgta atgctctgaa 300
 ttttagtatga tataaagaaa acttttttgt gctaaaaata ctttttaaaa tcaattttgt 360
 tgattgtagt aatttctatt tgcactgtgc ctttcaactc cagaaacatt ctgaagatgt 420
 acttggattt aattaaaaag ttca 444

<210> 425
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 425
 ccagcgcgcg aggaccgcgcg aacagccgcg tctctcggtc cgccctggaa aatctcttct 60
 tcctcaggag tcagcttggc tcccttcttg cggcccaggg gcagcgcata gtgggactcg 120
 taccactgtc ggtacggtgt gctgtcgatg agcacgatgc aattcttcac caggggtcttg 180
 gtacgaacca gctcggtatt agatgcattg tagacaacat cgatgatcct tgttttacga 240
 gtacaacact ctgagcccca ggagaaattc cccacgtcca acctcagggc acggtatttc 300
 ttgttacctc cccgcacacg gactgtgtgg atgcggcggg ggccaatctt ggtgttgga 360
 g 361

<210> 426
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 426
 gccaaacaat acccacttgt cagcctaaat gaagagagaa atgtcatgga agaggggaaaa 60
 gactttcagc cctcaagatc tacagctcaa caggaaacttg atgggaaacc tgcttctcct 120
 actccgggta ttgtggcctc ccacacagcc aacaaagaag aaaagagttt actcgaacta 180
 gaagtagatt tggataattt ggaattagaa gatattgaca caacagatat caatctggat 240
 gaagatattt tggatgattg actgtaatgc ttccatttta cctgactaaa cagatcatta 300
 ttatatatag gtattgattg ctaccctgac cacagtgtct tggactatga gaaacttctt 360
 agatttttat atgtaaatgc tgtggaccac tgggagcaca atgccacat catcttaaga 420
 agagtttatg tgcagcattt 440

<210> 427
 <211> 608
 <212> DNA
 <213> Homo sapiens

<400> 427

```

ccacaaaaca ccaaagaatt gtaggcagtg gcccctattg agaagttttc cggtagagtt 60
ggaaatcagt tgtgaataca ttctttgcta gttggagtg tttgttacta agcatgtgcc 120
gtcgtaggta ttagtgctag tctcaaata gttgcttcccc tgagggtgcag gggaagacca 180
aagtttgcaa ctcgaaactgc tttcgtccat gtttctcaca ttgctgtatt ttagaaaata 240
gggggttaaga ctgataacaa cctttttacat tgtgactgtg tttgcattgt ctaatgacag 300
ataaatccctt aacattttctc tccaccttag tacttttagac taattgtgtt tgtccgtcca 360
tgccatgaat gagtgggctg tagttgggcc taaataaatg agctgttgga agaaaagaat 420
cacagtactt tccagcagtc agtccctggg tccatagatgt gttctaagca atgcaaagt 480
ctaattgtcc cccagtgggc atagtcagtg tctgtttatat tgtagcagtt acagctctgt 540
agtttatgat gcaaatctgc caagagagat gtatgtgtca ctgcatggct tctgaaagca 600
ggatgaat 608

```

<210> 428

<211> 299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 298

<223> n = A,T,C or G

<400> 428

```

gtttttctca ttttggattt ctccaaaact aactgaattt aagcttcagg tccctttgta 60
tgcagtagaa aggaattatt aaaaacacca ccaaagaaaa taaatatatc ctacttgaaa 120
tttactctat ggacttacct actgctagaa taaatgtatc aaatcttatt tgtaaattct 180
caattttgat atatatatgt atatatgcat atacatatcc acacttgtct gcaagaatat 240
tgattaaaat tgctaaattt gtacttggtc atcaaaaaaa aaaaaaaaaa aaaaaaanc 299

```

<210> 429

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502, 551

<223> n = A,T,C or G

<400> 429

```

ctgcaccatg ccatctatag agataggaac ggtgggtggt gggaccaacc tactacctca 60
gcaagcctgt ttgcagatgc taggtgttca aggagcatgc aaagataatc ctggggaaaa 120
tgcccggcag cttgcccga tttgtgtgtg gaccgtaatg gctggggaat tgtcacttat 180
ggcagcattg gcagcaggac atcttgtcaa aagtcacatg attcacaaca ggtcgaagat 240
caattttacaa gacctccaag gagcttgcac caagaagaca gcctgaatag cccgacagtt 300
ctgaactgga acatgggcat tgggttctaa aggactaaca taaaatctgt gaattaaaaa 360
agctcaatgc attgtcttgt ggaggatgaa tagatgtgat cactgagaca gccacttggt 420
ttttggctct ttcagagagg tctcaggttc tttccatgca gactcctcag atctgaacac 480
agtttagtgc tttacatgct gngttctttg aagagatttc aacaagaata ttgtatgtta 540
aagcatcaga natggtaatc tacagctcac ctct 574

```

<210> 430

<211> 181

<212> DNA

0520300 0740400

<400> 430

<210> 431

<211> 591

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 527

 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

<400> 431

ctgtcctcggg	tgccctcggg	gcagctccga	gctccagtta	caaggaattc	caagttctca	60
ggatcttgaa	gactctggag	gccagtaatc	cctggatcac	actgcttcta	ccagctcaga	120
agagaagtgcc	tgctaagggt	catgaaataa	acctgactgc	tgccaccaga	ccgaacagag	180
gcaaagaaca	ccttgtcatt	gcgttcacac	aagaatttta	gtctttgagc	ccttttgtgc	240
atgaacacac	catccaagtg	accagtttcc	acagatcgga	tctctatggc	cttctctccc	300
cagcccattg	tctgattgga	tcgaatatat	gctactgatg	taggcattct	tccccactgt	360
agaactacat	ccttggtgat	ccttccatat	gtgtttacat	aaaccccttc	atcttcatag	420
cacaccagaa	gtccatttcc	atctgtattg	gggaggatga	tgattgcatg	gggtttgatg	480
ctacactgga	tatgtgttgg	tagataaatg	tcatagactg	atcctgnatc	cacatcaaca	540
gcatggaatc	cagcacagga	tccatagatc	actttcaacc	tctggccttc	c	591

 $\langle 210 \rangle$ 432

<211> 548

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 537

$\langle 223 \rangle$ n = A, T, C or G

<400> 432

cctttctgag	gcagcagcaa	gcagctccaa	acctccgaaa	gcttattttat	gggacagtga	60
cagaagataa	tgaagaagaa	gatgatgata	ctctagaaga	gcttgagggg	ttgtttctgt	120
tcaaccagcc	tgacagagag	tgtaagcaca	aggctgactc	tttgactgc	tccagatttc	180
ttgtggaggc	cccccatgac	tgggatttag	aggaggttat	gaacagtatc	agagattgct	240
togtgactgg	aaagtgggaa	gatgataaag	atgcagccaa	ggtcttagca	gaagatgagg	300
agctctacgg	tgactttgaa	gacttggaaa	caggggacgt	gcacaaggga	aaatcaggcc	360
ccaataactca	gaatgaagat	atagagaaa	aagttaagga	agaaattgac	cctgacgaag	420
aagaaaagtc	caagaaaaag	catttgata	agaagagaaa	attgaaggag	atgtttgatg	480
cagaatatga	tgaaggagaa	agcacatatt	ttgatgatct	taaaggagaa	atgcagnaac	540
aagcacag						548

<210> 433

<211> 492

<212> DNA
<213> Homo sapiens

<400> 433

```
caatgccagt aaactttaat tacgtaactt cttgcaacca cgaaacctgt aatacgctgt 60
acagtaacaa gtgttggcat tatcagttga actgtaaata caaatgctt cttccaatta 120
gtctctatga tgattaagtt tctaaaattt atctgaacac cattcagaaa cttgttttgg 180
ggaatttgat agttattgat gtgcatctgt taaactgatg acagacataa ctcatcattc 240
cccagaaacc ttttttgatt acagtatcta acattttgcc tcctcttttt tggttttgct 300
ggttataaag gtttggattg gagagggctc actggatccc aatccttgga gctggatcat 360
tggattcaaa tcataatgtg gataggatag ggaggatgaa ttaccaggat tcatggagcg 420
ggatcagatt accaggaaca taggagtgga ttcttgcccc aaccaaaccg cattcgtgtg 480
gattttttta tt 492
```

<210> 434
<211> 493
<212> DNA
<213> Homo sapiens

<400> 434

```
ccatctgata tataaatgag gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
ggctgctgag atgggaaagg gtccttcaa gtatgcctgg gtcttggata aactgaaagc 120
tgagcgtgaa cgtggtatca ccattgatat ctccttgggg aaatttgaga ccagcaagta 180
ctatgtgact atcattgatg cccaggacac agagacttta tcaaaaacat gattacaggg 240
acatctcagg ctgactgtgc tgccttgatt gttgctgctg gtgttgggtg atttgaagct 300
ggtatctcca agaatgggca gaccgagag catgcccttc tggcttacac actgggtgtg 360
aaacaactaa ttgtcgtgtg taacaaaatg gattccactg agccacccta cagccagaag 420
agatatgagg aaattgttaa ggaagtcagc acttacatta agaaaattgg ctacaacccc 480
gacacagtag cat 493
```

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435

```
ctgcagcctg ggactgaccg ggaggctctg attatthacc caccacaggt aggttgtgtt 60
ctgaatctca ggttcacagg ttaaggctac agcatcctca tcctccacgg ggttggagtt 120
gttgctggtg atgaaggggt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240
agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
agagtactgt gcaggtgggt tagaggtctc gtggcaggag aggttcagat tttccctga 360
tctgtaagat gtgttttagag gggaaatggg gggggcatcc gggccataga ggacattcag 420
gatgactgaa tcactgcgcc tggcactcac tgggttctgg gtttcacatt tgtagc 476
```

<210> 436
<211> 300
<212> DNA
<213> Homo sapiens

<400> 436

```
aaaacttaag gggaaagtgt gagattgagc ataagggccc ttgagtaaga ctgtgtctta 60
tgctttcctt tatccctgtg tatacaggag acagaccaac tagaagatga gaagtctgct 120
ttgcagaccg agattgccaa cctgctgaag gagaaggaaa aactatagag ttcatcctgg 180
```

09920300-073401

```
<210> 437
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<210> 438
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<210> 439
<211> 483
<212> DNA
<213> Homo sapiens
```

```
<210> 440
<211> 580
<212> DNA
<213> Homo sapiens
```


<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 541
<223> n = A,T,C or G

<400> 443
ctgcctttga agcacctcct cagtacgttt tgccaacctg tgaaatggcc gtgaaaatgc 60
ctgaaaaaga accaccacct ccttacttac ctgcctgaag aaattctgcc ttgacaata 120
aatcctatac cagctttttg tttgtttatg ttacagaatg ctgcaattca gggctcttca 180
aacttgtttg atataaaata tgttgtcttt tgtttaagca tttattttca aacactaagg 240
agctttttga catctgttaa acgtcttttt gtttttttgt taagtctttt acattttaat 300
agtttttgaa gacaatctag gttaagcaag agcaaagtgc cattgtttgc ctttaattgg 360
ggggtgggaa gggaaagagg gtacttgcca catagtttcc ttttaactg cactttcttt 420
atataatcgt ttgcattttg ttacttgcta ccctgagtag tttcaggaag actgacttaa 480
atattcgggg tgagtaagta gttgggtata agatctgaac tttcatctg cagaggcaag 540
naaaaatatt tgacattgtg acttgactgt ggaagatgat gggttgcattg 589

<210> 444
<211> 510
<212> DNA
<213> Homo sapiens

<400> 444
cctcatctca gagctgggtg ccaggctgaa ggatcactga ggaaggggaa gtgggcaaag 60
cagaccctca aactgacaca agacctacag agaaaaccct ttgccaaatc tgctctcagc 120
aagtggacag tgataccgtt tacagcttaa cacttttgtg aatcccacgc cattttccta 180
accagcaga gactgttaat ggccccctac cctgggtgaa gcacttacct ttggaacaga 240
actctaaaaa gtatgcaaaa tcttctctgt acagggtggt gagccgcctg ccagtggagg 300
acagcaccac tcagcaccac ccacctcat tcagagcaca ccgtgagccc ccgtcggcca 360
ttctgtggtg ttttaatat gcatggttt atgggacgtt ttaagtgtt ttcttgtgtt 420
tgttttctt tgactttctg agtttttcac atgcattaac ttgcggtatt tttctgttaa 480
aatgttaacc gtccttcccc tagcaaat 510

<210> 445
<211> 326
<212> DNA
<213> Homo sapiens

<400> 445
gaagacatct ttgaagggtc tgagtttggt agtttaacat catatatttg taatagtga 60
acctgtactc aaaatataag cagcttgaaa ctggctttac caatcttgaa atttgaccac 120
aagtgtctta tatatgcaga tctaattgaa aatccagaac ttggactcca tcgttaaaat 180
tatttatgtg taacattcaa atgtgtgcat taaatatgct tccacagtaa aatctgaaaa 240
actgatttgt gattgaaagc tgcctttcta tttacttgag tcttgtacat acatactttt 300
ttatgagcta tgaaataaaa cttttt 326

<210> 446
<211> 494
<212> DNA
<213> Homo sapiens

<400> 446

```

ccaaatggtg aaaccctatc tctactaaaa atataaatat tagccttggtg tgggggcgca 60
cacgtgtagt ctgagccact agggaggctg aggcaggaga atcacttgaa cccaggaggc 120
ggaggttgca gcgagccaag atcgtgccat tgcacttcag cttgggtgac agagcaagac 180
tctgtctcaa aaaaaaaca aagtcttatg acctcttttg catgtacttt agagaggaaa 240
tcttacccaa gccagaaagt ctgagtctag gcattttttt tattgtgcaa gcatataaaa 300
ttctagtaat tctggggcta atcctgtgat agggagaatt caaggaaagg tgggtggtgac 360
ccagtgtctg cgttttctcc ttaggtgacg catccaaaga agacattgac actgctatga 420
aattaggagc cggttacccc atgggcccat ttgagcttct agattatgtc ggactggata 480
ctacgaagtt catc 494

```

<210> 447

<211> 322

<212> DNA

<213> Homo sapiens

<400> 447

```

ctgactaaga gccctctggc acaaatggaa gaagaaagaa gggagcatgt agctaaaatg 60
aagaagatgg agatggagat ggagcagggtg tttgagatga aggtcaaaga aaaagttcaa 120
aaactgaagg actctgaagc tgagctccag cggcgccatg agcaaataaa aaagaatttg 180
gaagcacagc acaaagaatt ggaggaaaaa cgctcgtcagt tgcaggatga gaaagcaaac 240
tggaagctc aacaacgtat tttagaaca cagaactctt caagaacctt ggaaaagaac 300
aagaagaaag ggaagatctt tt 322

```

<210> 448

<211> 237

<212> DNA

<213> Homo sapiens

<400> 448

```

ctgcattggt gtggaattca caactactca gactgggaaa atacagattg gttcaaagaa 60
acaaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120
agcctggccc acccttccga cctctatgct gagggggtgtg aggtcttagt tgtgaagaag 180
ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237

```

<210> 449

<211> 339

<212> DNA

<213> Homo sapiens

<400> 449

```

aggacgacaa gaagaagaag gacgctggaa agtcggccaa gaaagacaaa ggcccagtggt 60
acaaatccgg gggcaaggcc aaaaagaaga agtgggtccaa aggcaaagtt cgggacaagc 120
tcaataactt agtcttggtt gacaaagcta cctatgataa actctgtaag gaagttccca 180
actataaact tataacccca gggcaacagg gaggaccaga tcaacaggct tattagaaga 240
atgaactaag gtgtctacca tgattatctt tctaagctgg ttgggttaata aacagttacct 300
gctctcaaat tgaaaaaaaa aaaaaaaaaa aaaaaaaaaa 339

```

<210> 450

<211> 509

<212> DNA

<213> Homo sapiens

<220>

09920300 07340

<221> misc_feature
 <222> 501
 <223> n = A,T,C or G

<400> 450
 gtgagacaca ggtatgtatt tttgggtctc acaggttaag gtctgagcca ctgagggtcag 60
 gctctggttt gtatcccaag accgagaagc tgtgttaagc atggtgggta gagtttgtca 120
 ggtgacatct atgaaaccag gagcatgcaa agatagggtg accggaacag ccatgggtcaa 180
 accaattaaa ctgtcctgca gttgagggtca ggcacaggta gaacggatct atcagggtgag 240
 gcccaaggag tccggattag gctcatctag aaagacctgg atgtggtaga tgacctctga 300
 ggatatgaag tgaaggcagg tggatagagc cagggtctctc aggaggtctg aggagctggg 360
 atctggcaca gtgagcagggt ctggatttcc cagggtggtgt caagacagat gggtaggccca 420
 ggcacagtgg ctcacaccta taatcccagc aattttggaa ggccaaggca ggcagatcag 480
 ttgaagtcaa gagctcgaga ncagcctgg 509

<210> 451
 <211> 229
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 63, 166
 <223> n = A,T,C or G

<400> 451
 aaaaaaggaa ttctgtgtca agtataactc aaaataaata caaattcaca agtagaacta 60
 ttnaatactt catatgggggt aaacaccatt atctcccaac tagatcgcta gatctaccaa 120
 ctgcaagcga ttgtcccttt tgaacgtact aaaaccacac acttttncat cccctggggt 180
 cctggccctc tgagcactca attctcaatg gcacctggcc tgcatggca 229

<210> 452
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 452
 aaagaacaaa ctcaacatat cagcagcaaa tttcagttaa actaaattgg aaaccaatgt 60
 tctgtgtaac caaagtgcaa agtcagttcc ccagctcaga aagaaaatta agagtataaa 120
 ctgaaggctt aagagaactt cagagagcac actgtgtgat taatacataa atattaaaaa 180
 ttatccaatt tttgatttaa gaacaacaca gtttggatct agtcattaaa acatatgcac 240
 aggtgtcaaa ggcaagtaac actaccacct aagggttattc ggaggaactg tgaagatgta 300
 gcacggacct ctaagggtgtc taaaatccct tctgatggaa aggttatgga acactatctg 360
 ccaaaaacac tgaaagcacc actttttatat ttagatccaa tgctgagtga tatagtcact 420
 gttgggatag gtttttattt gggaaaatgg agaggattct caaaacagat tcatggcttg 480
 catgcagtga caccctatca agagcctgga aagacaccat gaaatcacct caactcaagt 540
 ggtgggcccc cctactcata gtcagtgtta cactagccag ctctagggtc ctgac 595

<210> 453
 <211> 299
 <212> DNA
 <213> Homo sapiens

<400> 453

0990300 03404

```

aaaggccaag aaggcagtgt tgaaagggtgt ccacagccac aaaaagaaga agatccgcac 60
gtcaccacc ttccggcggc cgaagacact gcgactccgg agacagccca aatatcctcg 120
gaagagcgct cccaggagaa acaagcttga ccactatgct atcatcaagt ttccgctgac 180
cactgagtct gccatgaaga agatagaaga caacaacaca cttgtgttca ttgtggatgt 240
taaagccaac aagcaccaga ttaaacaggc tgtgaagaag ctgtatgaca ttgatgtgg 299

```

```

<210> 454
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414
<223> n = A,T,C or G

```

```

<400> 454
aaaaaggatt taggccactg cctttttctg agggaggagc ggccagcatg tgccccgcgg 60
ctcactgggc ctgtctaata acacagcagt ggcaaaaggga gtatctgccg gacgcttctt 120
atcactctat tctgtctcct catccacctg aagttcactc cgtttcccca atgacttaga 180
atggctttgt gcttagtttt aattgtagtt tgtgtctattc tgtgaattaa caattcaaac 240
aaaataagaa agccatgttg ttaaacagta gaggagccag ggactctgtc tccattctct 300
catcacacac aagtcatgca tctacaaaaa aaaaaaaaaa caaaaaaca caacaacaaa 360
aaaactgtcc tctgaggagg cacagggtgtg acagataagg aacctgcagc tcanattcaa 420
caggcacctg ccaagtccac actcaggact gtgacagcct caacaacatg aggtccagac 480
acattcactg tggaaggctc tgcccacgcg 510

```

```

<210> 455
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 455
aaagtacttt taagaaaaaa agcagggcct tggaagtgtt gggtcttttt tctctccctg 60
ttgcaaattc tcatggtttg gggtgggttg tggagagcgc gtgtcatctg cgggtggcac 120
tgccacgggt gggcgggcgg gcctctctac tcgaagggtga ccacgtttag attctgagac 180
gggaagtgga ggggtgaatag gtcacggcgg cttttttttt ttagtttaac ttttcctttt 240
ttgtgtctta gtcactctcg tcggtctttt gcttcttggt atcgacatcg tcatcctcat 300
catcttcag 309

```

```

<210> 456
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 456
gtggttgtgt ggtcgtgtct cggaaccgg tagcgcttgc agcatggctg accaactgac 60
tgaagagcag attgcagaat tcaaagaagc tttttcacta ttgacaaaag atggtgatgg 120
aactataaca acaaaggaat tgggaactgt aatgagatct cttgggcaga atcccacaga 180
agcagagtta caggacatga ttaatgaagt agatgctgat ggtaatggca caattgactt 240
ccctgaattt ctgacaatga tggcaagaaa aatgaaagac acagacagtg aagaagaaat 300
tagagaagca ttccgtgtgt ttgataagga tggcaatggc tatattagtg ctgcagaact 360
tcgccatgtg atgacaaacc ttggagagaa gttaacagat gaagaagttg atgaaatgat 420
caggggaagca gatattgatg gtgatgggtc agtaaactat gaagagtttg taaaaatgat 480

```

gacag

485

<210> 457

<211> 311

<212> DNA

<213> Homo sapiens

<400> 457

```

ccacagggac ctctgcagtg cccccaagt gacccggaca cttccgaggg ggatcatcacc 60
gcctgtgtat ataacgtttc cgggtattact ctgctacacg tagcctttta cttttggggg 120
tttgtttttg ttctgaactt tcctgttacc ttttcagggc tgacgtcaca tgtaggtggc 180
gtgtatgagt ggagacgggc ctgggtcttg gggactggag ggcagggggtc cttctgccct 240
gggtcccag ggtgctctgc ctgctcagcc aggcctctcc tgggagccac tcgccagag 300
actcagcttg g

```

<210> 458

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 537, 573, 576, 637, 646

<223> n = A,T,C or G

<400> 458

```

aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcacagacc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaacaag ctcaatgtca tttccttcaa ggattaattc atctttcttg gcttgagata 240
ctgaacaagc aacacctggg ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt tttttcttt ccaagaaggc tgagttctac attgatgtga ttgaagnccc 540
tccgcagggt tcctctgggg gcccttcacg atnacntgtg cgtcccttca gagtaatgtc 600
gacatcttct gggaatgtcg acagtctgat tgctganaat agtctncatt ctcgacctc 659

```

<210> 459

<211> 461

<212> DNA

<213> Homo sapiens

<400> 459

```

cctccctggg aagtggaggg ggccaggcca cgaccaggca gaaatccacc aaaacaggag 60
ggccaccgac atacaaacgc aggacacaga aacaacatgg gccccattcc aaaggatgac 120
ctcaatgaaa gaccagcaaa atctacctgt gacagtgaga acttggcagt catcaacaag 180
tcttccagga gggttgacca agagaaatgc actgtacgga ggcaggatcc tcaagtagta 240
tctcctttct cccgaggcaa acagaacctg gtgctaaga atgtggaaac gcacacagg 300
tctctaattg aacaactaac aacagaaaaa tacgagtgca tgggtgtgtg tgaattgggt 360
cgtgtcacgg cccagtggtg gagttgtcag agctgttacc atgtgtttca tttgaactgc 420
ataaagaaat gggcaagggt tccagcatct caagcagatg g

```

<210> 460

09920300-03101

<211> 584
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 530
 <223> n = A,T,C or G

<400> 460
 gccgttggtc ctgtgcgggc acttagccaa gatgcctgag gaaacccaga cccaagacca 60
 accgatggag gaggaggagg ttgagacgtt cgcctttcag gcagaaattg cccagttgat 120
 gtcattgatc atcaatactt tctactcgaa caaagagatc tttctgagag agctcatttc 180
 aaattcatca gatgcattgg acaaaatccg gtatgaaagc ttgacagatc ccagtaaatt 240
 agactctggg aaagagctgc atattaacct tataccgaac aaacaagatc gaactctcac 300
 tattgtggat actggaattg gaatgaccaa ggctgacttg atcaataacc ttggtactat 360
 cgccaagtct gggaccaaaag cgttcatgga agctttgcag gctgggtgcag atatctctat 420
 gattgggacc ccgcctgcct gtcctgtgcc caccacgcag cagtcagggg agaaaatggt 480
 ggctatccct tctgcttaga gaaagaaatg gcctttagct ggtttcatgn ttgtgttttg 540
 actggaggga gtagacccta tctataaggt gccccccatc atcc 584

<210> 461
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 421, 430, 455
 <223> n = A,T,C or G

<400> 461
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatggt gttgaagtgt 60
 tggggcgggc aaaaattttt ggggggtggt tggagagaga atgggtgatg tttctcaggg 120
 ctgcttcaag tgggattggg gcggcggtgg aacataaagt gggagagatt aagctgaagg 180
 gaagtcttgt ggtaagggat gatattgtgg ggatgttaga agaaacattt gtcatataga 240
 atgattggtg atggcctgga tacagttttg gatgaactga gaagctaaat ggaagataca 300
 aggtctgaat aaaaggagga gaaaaatggg tattaaagga ctaagaattg ggaggacca 360
 ggacatccaa ttagagagtg cccaaggggg ttcagcgtaa ttacttgctt gggtggcaag 420
 nttttgggcn ctatccttga gtttttttat gttgncatac accaggccag a 471

<210> 462
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 462
 ctgctgcagc agcggcacta caagccaaat cagatgagaa ggcggcgggt gcaggcaaga 60
 agcctgtggt aggtaaagaa ggaaagaagg ctgctgttgg tgtaagaag cagaagaagc 120
 ctctggtggg aaaaaaggca gcagctacca agaaaccagc ccctgaaaag aagcctgcag 180
 agaagaaacc tactacagag gagaagaagc ctgctgcata aactcttaaa tttgattatt 240
 ccataaagggt caaatcattt tggacagctt cttttgaata aagacctgat tatacaggca 300
 gtgaaaaaaa aaaaa 315

09920300.073101

<210> 463
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 463
 aaagagtggg ctgcaccccc cacacgccat ttacatcagc ttcataaaca cttttcttcc 60
 tccctgtaac ttaacctttt tcccctttta tgaagttgag aggctttatg aaataagttt 120
 gcattgcaca tccgtgcaga aatctttctg actttgaaat ttttaggacg tcag 174

<210> 464
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 464
 ccatcttcca caagtactcc ggcaggagggt gtgacaagca caccctgagc aagaaggagc 60
 tgaaggagct gatccagaag gagctcacca ttggctcgaa gctgcaggat gctgaaattg 120
 caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
 tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
 tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
 tgtacaataa attttttttg gtcaaat 329

<210> 465
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 167
 <223> n = A,T,C or G

<400> 465
 ttctggggta ggaagtgggt cggggagatt ttggatggaa aagtcaggag gattgacagc 60
 agacttgcag aattacatag agaaattagg aacccccaaa tttcatgtca attgatctat 120
 tccccctctt tgtttcttgg ggcatttttc cttttttttt tttttgnttt tttttacccc 180
 tccttagctt tatgcgtca gaaaccaa taaaccccc ccccatgtaa caggggggca 240
 gtgacaaaag caagaacgca cgaagccagc ctggagacca ccacgtcctg ccccccgcca 300
 tttatcgccc tgattggatt ttgtttttca tctgtccctg ttgcttgggt tgagttgagg 360
 gtggagcctc ctgggggggca ctgg 384

<210> 466
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 466
 ctgcttttatt tggagaaata ccgacctaa atgcgattac gcttcagaga taccaatggg 60
 cattgctgtg ttcagtagaa ggaaatgtaa acgaaggctg acttgattgt gccattttaga 120
 ggggaactctt ggtacctgga aatgtgaatc tggaatatta cctgtgtcat caaagtagtg 180
 atggattcag tactcctcaa ccactctcct aatgattgga acaaaagcaa acaaaaaaga 240
 aatctctcta taaaatgaat aaaatgttta agaaaagaga aagagaaaag gaattaattc 300
 agtgaaggat gattttgctc ctagttttgg agtttgaatt tctgccagga ttgaattatt 360

0990300.03104

ttgaaatctc ctgtcttttt

380

<210> 467
<211> 250
<212> DNA
<213> Homo sapiens

<400> 467
cgcgactggg accagaagca gaggcctggg cctcccgcg actacagcca ctactacacg 60
accatccagg acctgcggga caagattctt ggtgccacca ttgagaactc caggattgtc 120
ctgcagatcg acaacgcccg tctggctgca gatgacttcc gaaccaagtt tgagacggaa 180
caggctctgc gcatgagcgt ggaggccgac atcaacggcc tgcgcagggt gctggatgag 240
ctgaccctgg 250

<210> 468
<211> 274
<212> DNA
<213> Homo sapiens

<400> 468
aaatacagag agtcttagtt tggactgaaa gagaaaaatt gctctgatct ttctaaagct 60
tgaacattaa ggcttctttg caattttctt agagctcttt gatcgtaaata tataatctttc 120
catcgaagag aagcagattt cttctgagat ttctgaacag ttcttgggtg tttccgggtc 180
tgcttcagtg taccatcact ttgccttgcc tcagtctctc cttcctccgg ggccacagaa 240
ggagaaagcc caaagcatac ccatcctgcc cttt 274

<210> 469
<211> 168
<212> DNA
<213> Homo sapiens

<400> 469
ccagtcacac gttgtagcct gacttcagtg agttctgatg tgtgcttttt gcaaatacat 60
gtttctcagaa cagtgagatc atccagcagt ggccctggatt gcactcacat aaaaatcatg 120
agacagccat ggctacttgt ttctgtaata catgcatgtg tgtttttt 168

<210> 470
<211> 411
<212> DNA
<213> Homo sapiens

<400> 470
ctggctagtg gcttattact tgtgactgga cctctgggtcc tcaatcgagt tcctctacga 60
agaacacacc agaaatttgt cattgccact tcaacaaaaa tcgatatacag caatgtaaaa 120
atcccaaaaac atcttactga tgcttacttc aagaagaaga agctgcggaa gccagacac 180
caggaagggtg agatcttcga cacagaaaaa gagaaatatg agattacgga gcagcgcaag 240
attgatcaga aagctgtgga ctcacaaaatt ttaccaaaaa tcaaagctat tcctcagctc 300
cagggctacc tgcgatctgt gtttgctctg acgaatggaa tttatcctca caaattggtg 360
ttctaaatgt cttaaagaacc taattaaata gctgactaca aaaaaaaaaa a 411

<210> 471
<211> 628
<212> DNA
<213> Homo sapiens

0920300-073401

<220>
 <221> misc_feature
 <222> 495, 569
 <223> n = A,T,C or G

<400> 471
 ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120
 agattaagag gcatacacca cttagtaaagc taatgaaagc ctattgtgaa cgacagggat 180
 tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
 ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
 gtgtctactg aaaagggaac ctgcttcttt actccagaac tctgttcttt aaagaccaag 360
 attacattct caattagaaa actgcaattt ggctccacca catcctgact actaccgtat 420
 agttttctct attctttcat ttcccccttc cccattcctt tattgtacat aaagtaactg 480
 gtatatgtgc acaangcata ttgcattttt tttttactaa acagccaatg gtatgttttg 540
 attgacatca agtggagacg ggatggggna aaatactgat tctgtgaaat accccctttt 600
 ctccattagt ggcattgctca ttcagctc 628

<210> 472
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 472
 aaatgagaat acgagaatac ccagaatttt attcccagcc tttgtgtgga aaaggcagtt 60
 tgcattctta ggaaacatct aactgttacc taaaccataa atatttctat ctactccatt 120
 caacccaatt aaagaaaaca aaatgatgag aaaaatagga gccgaacaga aagaaaattc 180
 acatcatttt ctactattac gaacattcaa atggtgcttc aaattaaata cttttaatta 240
 tcattctagc caggatcata ctaagtagga tctcatgaca gtcacatatg cagcgacttc 300
 acctaaaccg tggcactgaa tgctctgcca tgagccgcaa gcagcacagt gatcatcacc 360
 cacaaggaca ggttgctggtg atgag 385

<210> 473
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 473
 aaatatatta aatatttcac tgaaatacat gggttcacat cctccccac cccacagtg 60
 gttacattat aaaaccaag cccacggcct cccacctct gactcctcta ccaactgggt 120
 gaggaaggag acaatggtag cccaggggaa gggcatggct ggcaactgtg tacggggatc 180
 cagggtgtgg acaggccctc ccacctggca agaagcagag acaagccacc caaggctgag 240
 gtcttccac tctgatctac ttataccctc acccctaccc catggcacca agtagtctct 300
 tcctatccct tcctatccag ggatatggct ggggacaggg gagtagattt tctgtctgga 360
 aaacaagtct tttccccctc ttctgccatg actaatgaag tacctgatgg cccatttggt 420
 tgatgtatga agatgcccaa gggaggcatt acccagaaac cagg 464

<210> 474
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 474


```

ccgggcaggt gttcggacta tttgtagtca tgtacagaac atgatcaagg gtgttacact 60
gggcttccgt tacaagatga ggtctgtgta tgctcacttc cccatcaacg ttgttatcca 120
ggagaatggg tctcttggtg aaatccgaaa tttcttgggt gaaaaataca tccgcagggt 180
tcggatgaga ccagggtgttg cttgttcagt atctcaagcc cagaaagatg aattaatcct 240
tgaaggaaat gacattgagc ttgtttcaaa ttcagcggct ttgattcagc aagccacaac 300
agttaaaaac aaggatatca ggaaatTTTT ggatgggtatc tatgtctctg aaaaaggaac 360
tgttcagcag gctgatgaat aagatctaag agttacctgg ctacagaaag aagatgccag 420
atgacactta agacctactt gtgatattt 449

```

```

<210> 475
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 317, 383, 402
<223> n = A,T,C or G

```

```

<400> 475
ctgtcaccat tctcacgtga ttcttgtgag actctttttg gttataatta ctatttaata 60
tttagactat ttacttgagc agactttata aatgagatat ctacaaggca cttaaagtg 120
tacagatgtt ttaccttaag aattatttaa gttgtgttgg gttaagacag ttttcagtgt 180
accgtaaatg ttgtgttttc agaaaaagac aaaacgatgg tgctgactgg ttttctgtat 240
attgcacaac agccctcaaa tacactgatg tatgaaacta ttcatacatc aagcagcatt 300
tttttcactc tccttanaat tggaactatg cagttaaggc agataaaatg tacagatgtt 360
tcatatatta cagggtacat atntaaatca aaatttccta tntaaaactg att 413

```

```

<210> 476
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 476
aaaaagtcac cctacttaga aatcttctgt ggggggtggga gggacaaaag attacaaacc 60
aaaactcagg agatggtaac actggaattg ataaaatcac ctgggattag ttgtataact 120
ctgaaccacc aaacctctgc tatcaagcct tgctacagtc atggctgtcc agaaagattt 180
acagttattt ttctgagaaa ggatccatgg gctttaagaa cttcagaact ttaagaactt 240
cagaagttct taagttgctg aagctcaagt aacgaagttg aatgcaatca aaaaaagaat 300
accagggagt caaggc 316

```

```

<210> 477
<211> 154
<212> DNA
<213> Homo sapiens

```

```

<400> 477
ctgctgcccg tgctgggtgcc attgccccat gtgaagtcac tgtgccagcc cagaacactg 60
gtctcgggcc cgagaagacc tcctttttcc aggccttagg tatcaccact aaaatctcca 120
ggggcaccat tgaaatcctg ggtgtccgca atgt 154

```

```

<210> 478
<211> 496
<212> DNA

```

09920300.073404

<213> Homo sapiens

<400> 478

```
ctgaatctta gcggctacag aaagaatctc cagaaatcag atctctctac tttagttaga 60
agatgcccc aatcttgtcca tctagactta agtgatagtg tcatgctaaa gaatgactgc 120
tttcaggaa ttttccagct caactacctc caacacctat cactcagtcg gtgctatgat 180
ataataacctg aaactttact tgaacttgga gaaattccca cactaaaaac actacaagtt 240
tttggaatcg tgccagatgg tacccttcaa ctgttaaagg aagcccttcc tcatctacag 300
attaattgct cccatttcac caccattgcc aggccaacta ttggcaacaa aaagaaccag 360
gagatatggg gcatcaaagt cggactgaca ctgcaaaaag ccagttgtct atgaagtatt 420
tattgcagga tgggtgtctt tctttagaac agggaaaaata ggcaggaagc ccaattgctg 480
gagtacttag ctagtt                                     496
```

<210> 479

<211> 521

<212> DNA

<213> Homo sapiens

<400> 479

```
aaaaagttgt atttatagcc ccagtaaccg gaaagaatta taagtaatta tggaagtatt 60
atattctgac cataccaaga gttaaaaaca aagagttcct actaaagagg aatattttca 120
agatgatctg gtcacatcat gtgcatagtt aagattgttt gttttaataa agattctttt 180
gcaaataaag aaataaaaatt tagtaaagtt attcttctct tgatgaaaaa accttaaaaa 240
tgaaccactg gtggttttaag aaggggggaa aaaagagtaa gctacatatt gaagttctag 300
aatgcagcac ctcaacttca catcttccat aagcatttaa gattaagaaa tccaagtgat 360
gtcttgacga tcaaatcaca ctttatagtt cttccaattc caatgtctga ctttagcatc 420
tcatgtcaat taaaagttcc ctaatacaaa atattgtgct aaagagtgtc aagattctgc 480
atgtgtgtgc cattccctgg tcccgttcat gcttgtagct g                                     521
```

<210> 480

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 24, 245, 251, 277, 284, 305, 309

<223> n = A,T,C or G

<400> 480

```
gtngaccggg gcgcgggctc catncgggaa gccggtgggg ccttcggaaa gagagagcag 60
gctgaagagg aacgatattt ccgagcacag agtagagaac aactggcagc ttgaaaaaa 120
caccatgaag aagaaatcgt tcatcataag aaggagattg agcgtctgca gaaagaaatt 180
gagcgccata agcagaagat caaaatgcta aaacatgatg attaagtgc caccgtgtgc 240
catanaatgg nacatgtcat tgcccacttc tgtgtanaca tggntctggg ttaactaata 300
tttgntcng tgctactaac agattataat aaattgtcat cagcgaaaaa aaaaaaaaaa 360
aaaaaaaaag cttgacctgc c                                     381
```

<210> 481

<211> 419

<212> DNA

<213> Homo sapiens

<400> 481

```

cctttattta tctagctcaa agtagacact atcacaaatct tgtttggttac tccttttact 60
aaaatagttc aaatcaatgt ttttaccaca ctatcaaaaaa gttctatttc ttcttgtctc 120
cccacgtcag agtggttgaa tagaaggtag aaacaggccg ggagtccacg ggctcccagc 180
tctaaacggc gccagggcag gaaggggtgg ctccagggtct cactgtggca ccttctacag 240
aaaatagacg tagctgccgg gcccggggac agaaaccaga cgttccagtc catctccaaa 300
aagcagcaca aatacttttg cccacagtat gaaaaatata cacctctacc gctctgcagt 360
catgcattta gttttaagaa aaaaaaaatc agtagtatgt atcttgtttc ctcaagttt 419

```

```

<210> 482
<211> 314
<212> DNA
<213> Homo sapiens

```

```

<400> 482
ctatcttcct gggtagatgc cctgggtgtag ggctgagtag tgaatggtct tccatcccca 60
gcaaggggggt gcagcccagg gtcaggccct tcagagccag ggcagaggac gcacgggtggc 120
tagagccgct gcactatcct tttcagagca cttcatccac ttgctcctcc ctctaccctc 180
ggcaccctgg gtgggaaagg gttgatgctc atcatttatt gaggggaagc cacttaataa 240
ggagtccagc ctaaaagggg gtgggggaca ttttcttacc tcacccaaga aagagggtcgt 300
cacttttgct gtgg                                     314

```

```

<210> 483
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 418
<223> n = A,T,C or G

```

```

<400> 483
cttggtcaat ttttgtatta ttagtagaga cgggggtttca gcatgttggc taggccgggtc 60
tctcctgacc tcagggtgat cagcccacct cggcctcaca aagtgtctggg attacaggcg 120
tgagccacct tgcccagccc acatcatata gtttgaaatg aaactttgcc acaaccagcc 180
tttgctgtag cacacacata tatcactgaa cctgtttgaa ataaagtttt ttttcttttt 240
catgattcgt ctttgagtac ctccaggctg aaagactgtt gtaccagtaa aaacttaaag 300
gcacaaattc tccttgaaga ccttctccct tttatgtggc cccataatct atgttgcttt 360
atctttgaaa ttttgcataa aaaggaaatg aatggattcg aatgaaattg tcctttanag 420
catgattact tgttcccatg gacaaatatt tttctccctt tgctcttctt 470

```

```

<210> 484
<211> 252
<212> DNA
<213> Homo sapiens

```

```

<400> 484
ctggagcagc agcagtggag ggggcaggac ctctgtctgg tgcagcacca gcctaaatgc 60
tccacttaaa agatacagaa ctgcagaatg ggtaagaact caccaacca tcatctgctg 120
ccttcagaag actcacctag cacataagga ctcaaataaa cttaaagtaa aggggtggaa 180
aaaggcattt catgcaaag gacacaaaaa gtgagcaggg gtagctatcc ttacatcaga 240
caagcaaaact tt                                     252

```

```

<210> 485

```

<211> 520
 <212> DNA
 <213> Homo sapiens

<400> 485
 aaaagaagaa atcatgcaag aaaacaaagg gaacaaaaaa tctgccagcg ttatgatcag 60
 ctcatggagg catgggagaa aaaagtggac agaatagaaa ataatcctcg gaggaaagct 120
 aaagaaagca aaacaagggg atactatgaa aagcagtttc cagaaattcg aaaacaaaga 180
 gaacagcaag aaagatttca gcgagttggg cagaggggag ctggtctttc agccaccatt 240
 gctaggagtg agcatgagat ttctgaaatt attgatgggc tctctgagca ggagaataat 300
 gagaaacaaa tgcggcagct ctctgtgatt ccacctatga tgtttgatgc agaacaaaga 360
 cgagtcaagt tcattaacat gaatgggctt atggaggacc ctatgaaagt gtataaagat 420
 aggcagttta tgaatgtttg gactgacat gaaaaggaga tctttaagga caagtttatc 480
 cagcatccaa aaaacttttg actaattgca tcatacttgg 520

<210> 486
 <211> 568
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 433, 475
 <223> n = A,T,C or G

<400> 486
 ccttgctatg aagcagtggt tgaatggaca atgttgaatg aatgtctggc tcagtgatgg 60
 agagccaggt tcatctttga aatctagggc tcttactca tgaagcagac tcctagtcct 120
 ggagtgactg tgtacgagag cgtggttgtg gtgctgtatg tgaacgcatg caagcttgat 180
 tcaccttcag ggggctgata acctagtaaa tcatcaaaat gagatcataa gtgttaatgt 240
 aactggaca tgaaaacaaa gactggttta gcagcagaca ttggtttact ctgcagcctg 300
 tgttttctgt ttcccccttt cccacctcct tccccccacc caatcctttt ttttttcttt 360
 ttgcttttc ttttctttt tttagttttt atttacttta cctagtatgc ctttttttag 420
 ttgcttctca agncagaaaa cttttcagga aggtttccct gtgcatttgc accanatgaa 480
 tgtttgatgc tatgaaaagc tttccatata atcaaaacta atttgtgtag atttttgcat 540
 gaaaaaaatc ataaatttcc ctcaaaat 568

<210> 487
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 487
 ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tctccacgg ggttggagtt 120
 gttgctggag atggagggct tgggcagctc cgggtatata tggaaactgtc cggttgcttc 180
 ttcattcaca agatctgact ttatgacttg tagggtatag aatcctgtgt cattctgggt 240
 gacgttctgg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
 ccctggggta gcttgttgag ttccatttac atatcctaca attagactgt tgccatccac 360
 tctttcgccct ttgtaccag 379

<210> 488
 <211> 475
 <212> DNA

09920300 073101

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361

<223> n = A,T,C or G

<400> 488

```
ctgtcagggg cggcgtgcct ggtgatgcgg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcctgagggtg tggcgttcag tcctgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctatttctct 180
caggtagaca gtgaggagtc ctggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttggaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggatg 300
agtgggtcct gcataccag ggtattatit gagccatgga agcaaaacag agactgctta 360
nctccctaa gagtagttgg tgggagaggc cagcaaccat ggaggcagga gcagctcctc 420
tttgccctctg agtagtcccc acatgttccc cttccagag atttcaactg ccagg 475
```

<210> 489

<211> 342

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324

<223> n = A,T,C or G

<400> 489

```
ctggcccttg aagtccaggt cgatggtgaa gtccaggtcc cggttggttct tggcgttggg 60
ccgcatgccg atggtgccga agatctcctc gcccgcttc acggtcaggt agtcctccat 120
gtagaacacc gtctgcttcc agtgcggtga cggggactcg gggctggtgg agaagccggt 180
cctcttggtg cagcggtgta actcgatgtt gaagtaggcc accagggcgt gcacgtagtc 240
attccgcttc acttgacggc agaacgggga ggtgaaggtc aggtcttcca ccttgacggt 300
atagatgtcc acctccttta tgangcaggc gttggtgacc ag 342
```

<210> 490

<211> 428

<212> DNA

<213> Homo sapiens

<400> 490

```
ccatagctga agctgtgggg ccagttgata cctgctggca ggaaatggct gttttttagg 60
tttgatttta tgtgccgcca cttttgtaag gcctgggaga tcccagggtc ctccaccctc 120
cccctgacca catacaaagg cactctagtt caagagtga aaatctcacc caggaggaac 180
agccctcctt gaagcaatgg cagggccagc agggaggtgg gcatggcagg gaatggagag 240
agtgagccag acagacttca cctccttact ggacacaggg tcaagggcga gtttcaattg 300
ctgctccctt tactttctct acctgtgact actccctgga ccaatcctga ggagggcaca 360
ttttccagaa gccacgtgat aggggctggt ttctgtggag ccagaggcag agacactgaa 420
cttgagct 428
```

<210> 491

<211> 450

<212> DNA

<213> Homo sapiens

09920300 "0" 3101

<400> 491
 ctttgacttg gactatgact ttcaacggga ctattatgat aggatgtaca gttaccacgc 60
 acgtgtacct cctcctcctc ctattgctcg ggctgtagtg ccctcgaaac gtcagcgtgt 120
 atcaggaaac acttcacgag ggggcaaaag tggcttcaat tctaagagtg gacagcgggg 180
 atcttccaag tctggaaagt tgaaaggaga tgaccttcag gccattaaga aggagctgac 240
 ccagataaaa caaaaagtgg attctctcct ggaaaacctg gaaaaaattg aaaaggaaca 300
 gagcaaaca gacgtagaga tgaagaatga taagtcagaa gaggagcaga gcagcagctc 360
 cgtgaagaaa gatgagacta atgtgaagat ggagtctgag gggggtgcag atgactctgc 420
 tgaggagggg gacctactgg atgatgatga 450

<210> 492
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 492
 ccagaggggt gtgctgaagt ttgctgctgc cactggagcc actccaattg ctggccgctt 60
 cactcctgga accttcacta accagatcca ggcagccttc cgggagccac ggcttcttgt 120
 gggttactgac ccaggggtg accaccagcc tctcacggag gcatcttatg ttaacctacc 180
 taccattgag ctgtgtaaca cagattctcc tctgcgtat gtggacattg ccatcccatg 240
 caacaacaag ggggctcact cagtgggttt gatgtggtgg atgctggctc gggaagttct 300
 gcgcatgcgt ggcaccattt cccgtgaaca cccatgggag gtcatgcctg atctgtactt 360
 ctacagagat cctgaagaga ttgaaaaaga agagcaggct gctgctgaga aggcagtgac 420
 caaggaggaa t 431

<210> 493
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 457
 <223> n = A,T,C or G

<400> 493
 cccagctaatt tttgtatatt taatagagac ggggtttctc catgtttggtc aggctgttct 60
 tgaactcctg acctcaggtg atctgcctgc ctcggcctct caaagtgtg ggattacagg 120
 catgagccgc catgccagc ccaacatact caattatttg ctgcctgttc ttcatccct 180
 tccagcaaca tgccatagaa ctagagatga taaaacaaca cttgtttgtt tctatgtcat 240
 gacgtgggtc ctatgattct attgattagt attcacagca ttcaattatt caaaaacca 300
 ggaagagctt ttcataggct taataaaaaa gaaatagagg cagaaagaaa tgggggcagg 360
 taaaccttat tgcttggtg gacacacatt ttagactttc acattactcc agactcaaaa 420
 aaggtaaacc aaaatgttct tagaacttca ttattgntta atcattgaca g 471

<210> 494
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 494
 aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagttta 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120

attacctatg ggtttatatc ctcaaatacg acattctagt caaagtcttg gtaatataac 180
 caatgttttc aaatgtattc tgttatacaa agagcagatt ttattgaac ttgtgcaata 240
 actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
 tagggagaaa atgtaaattg ctcaattttt gttcacaaaa gtatatatta tcaaattgct 360
 gtaagctgtg 370

<210> 495
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 495
 ctgatctggt tgaaggcggg gtggtcgtaa attggctttg tccagtaagt acaggggatg 60
 gggatagggg taaggatagc ctccctggaa tcctgtgtca tttttcacat cataaatatt 120
 gcattcatga agatcgatga tgggtgatat ggggtagaag gtctctagaa catgattctt 180
 agtagcttca atctcctctc tggaggcgat ggtgggcaga ggatccttag tgctcagtcg 240
 ggctccacca gaaccacgga ctggaaggag aagagactct cgggtccagg tagcagaaaa 300
 cgtggagttt tggacacaga tcctcctggt cagagaagga tgcttgagaa tctgagattt 360
 acacag 366

<210> 496
 <211> 192
 <212> DNA
 <213> Homo sapiens

<400> 496
 ctgcggtggt aggctgcaga cctcaccgac accgatccag accactcctc ccaaggacac 60
 ttgtagcccg gagctgctca tgccttgat ccagacaaag tgtgccgacg acgccatgac 120
 cctggtacta aagaaagagc ttgttgcgca ttggaagtgc accatcacgg gcctgacctt 180
 ctgggacccc ag 192

<210> 497
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 497
 cctaccgcaa ggtcacagca cagttttgta tagaatgttg cagaaaacag gatggagaag 60
 ccactactgc tgctatgaag gagtgcgggg ggcggggcgg ggggtcccac agaacctgct 120
 ttccaaacgc tgctgctgaa cactggcctt gaaatgaaca ccaggacaat ctgtgtgtga 180
 tgggaatgag ccacctcaga tgtggagggc cctgaagaat ccatatagga gggcaggctc 240
 t 241

<210> 498
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 498
 ctgtccctcc actacagaaa cctcacagaa cacagcaaag gataagtgca agaaggctgc 60
 ttccagctcc aaagcaccta agaattggagg taaagcgaag gattcagcaa agacaacaga 120
 ggaaacttcc aagccaaaag atgactaaag aaatacaagt taaggatatc ggtatctgca 180
 tgtaaaatct tcag 194

09920300 073101

<210> 499
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 395
 <223> n = A,T,C or G

<400> 499
 tttttgtgtg agcaacaagg ctgtttatatt cacctgggtg caggcgggct gagtccgaaa 60
 agagagtcag caaagggaga tggggtgggg ccgttttata ggattaggga aggtaatgga 120
 aaattacagt caaagggggg ttgttctctg gtgggcaggt gtggatctca caaagtacac 180
 tctcaagggg ggggagaatt acaaaggacc ttcttaaggg tgggggagat taaaagtac 240
 atttatcagt taggggtggg caggaacaaa tcacaatgtt ggaatgtcat cagttaaggc 300
 tgtttttact tcttttgtgg atcttcagtt acttcaggcc atctggatgt atacgtgcaa 360
 gtcacagggg atgcgatggc ctggcctggg ctcanagg 398

<210> 500
 <211> 437
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 344, 428
 <223> n = A,T,C or G

<400> 500
 ctggttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
 ctggtgtcct ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
 aattgtagcc ttgatgagag aatccaattc ttcatctcca cgaatagcaa gttgcaagtg 180
 acgaggggta atacgcttta cctttaagtc ttttgatgca ttctctgcca gttcaagtac 240
 ctctgcggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
 tccatgactg gtgcgtcctag attttaggtg tcgatgaata cggncactg ggaactgcaa 360
 gccggtcttc tgcgagcggg aaaccgcctt tgtcttggcc ttcccgaggt cctttccagc 420
 cttaccgnca gccattt 437

<210> 501
 <211> 488
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 478
 <223> n = A,T,C or G

<400> 501
 ccaatcagtg ggatccgagg tggctcggcc catcatgccc aggatctgag ccacatctg 60
 gcaccagctc taccaagggc ctgttgggccc cacacaagct tgctgtacc tagtcaggct 120
 ggtaccggca cctcctgaaa tgggtcacc tccggttctt gctcagcagc tctgagccct 180
 tttccagcct cttggaggga agtaacaaca gcagcatctg ccgaggagca caggtttcag 240

09920300-073101


```
<210> 502
<211> 589
<212> DNA
<213> Homo sapiens
```

<400>	502						
aaatcaacat	taaccaaagt	acctgcaagt	aacactgctt	actcttgctg	tttgccat	60	
ctgactggaa	accttagccc	ccaaatatga	aatgccttct	ctagattaaa	aggattcaga	120	
gatgttacac	tattgacta	tatttctgct	tcccgatctc	gtttctgagt	cctagtga	180	
tcgtaaacia	gagatgaaat	aaacgtcgct	ccattttaat	accgtcttta	gtatcataca	240	
catgtgttca	gtagtgaacc	acccaaagcc	tcctgccaca	ggagcagtag	tcgaagcaca	300	
gaggggaccc	cgetctgctg	cctccccatg	cagtcacagt	atgaggtgga	tggagtcctc	360	
cccacagtca	caccccaagc	ttcctcttct	ggtggaata	ggcatcaaac	cttgcttggg	420	
cntagtcag	cttccaaacc	aaagctgggc	actacaggct	ggagaatgaa	gtggtaaccc	480	
ataaataaaa	ccttccacag	cacaggcagg	agccaccac	tcttcttcac	ttactgnccc	540	
gtgtcanaag	ggactganqt	cagagctnqa	cttcnagggt	gcagatgcc		589	

```
<210> 503
<211> 192
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 35, 36, 38, 71, 125, 143, 189  
<223> n = A,T,C or G
```

<400>	503						
gctttttttt	tttttttttt	tttttttttt	ttaanncnca	gggtttat	gcaaaactgg	60	
gctgggttga	ncaaaggggg	cttgggatg	ctgacccctc	tctgacctgg	ccgttgcgac	120	
ctcanccttg	agttaccctg	cancaggcat	ggacaggcgg	ccgccttgcc	tgtcgcaact	180	
tctgtgcanc	aa					192	

```
<210> 504
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 427  
<223> n = A,T,C or G
```

<400> 504
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggg gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttnaag agttaagagt ggcagtttgg gggatagcac caggagatat cag 473

<210> 505
 <211> 131
 <212> DNA
 <213> Homo sapiens

<400> 505
 ccaaatatca tctttgatga cctctcctaa ctcatcagca cctgcatcag aatggtcagt 60
 aaaccaggta aagaagctct ctggttcctc atgctgcctc ttctgtctgg ctttattctg 120
 tgtttgactc g 131

<210> 506
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 195, 476
 <223> n = A,T,C or G

<400> 506
 gtgcaaagga tgagttgcac attgttgaag cagaggcaat gaattacgaa ggcagtccaa 60
 ttaaagtaac actggcaact ttgaaaatgt ctgtacagcc aacggtttcc cttgggggct 120
 ttgaaataac accaccagtg gtcttaaggt tgaagtgtgg ttcagggcca gtgcatatta 180
 gtggacagca cttantagct gtggaggaag atgcagagtc agaagatgaa gaggaggagg 240
 atgtgaaact cttaagtata tctgaaaagc ggtctgcccc tggaggtggg agcaagggtc 300
 cacagaaaaa agtaaaactt gctgctgatg aagatgatga cgatgatgat gaagaggatg 360
 atgatgaaga tgatgatgat gatgattttg atgatgagga agctgaagaa aaagcgccag 420
 tgaagaaatc tatacagagat actccagcca aaaatgcaca aaagtcaaat cagaantgga 480
 aaagactcaa aaccaccatc aaca 504

<210> 507
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 507
 ccacacatag cacagccacc agtgtcctca gaactagcag tcagggtcac agaacagtat 60
 tcaaatgat tgcccacctg ttttagaaat ctaaaatttt acatgtaact aagagcaaag 120
 tgctatgtgg gttttagacc atgactgttt gtttgcctc ctgccctacc accaagcaaa 180
 gcagcagggc tcctggggga gagggatttc aacccccctg atggcagggg gtgctctggg 240
 gaggagagag gagagaacag gctgttttgg aaaattccag cactttgact tcgggccatg 300
 cgtctctcct ggacgttctg agtacggatc gctcagg 337

09920300-03404

<210> 508
 <211> 319
 <212> DNA
 <213> Homo sapiens

<400> 508
 agtaagtcaa cagcttattt taggaaactg taaaagtaat agggaaagag atttcactat 60
 ttgcttcatc agtggtaggg gggcggtgac tgcaactgtg ttagcagaaa ttcacagaga 120
 atggggatct aagggttagca gagaaacttg gaaagtcttg tgtaggagtc ttgctggcag 180
 aattaacttt ttgcaaaagt ttatacaca gatatttgta tttaaatttg agtcatagtc 240
 agaagactca gatcataatt ggcttatttt tctatttccg taactattgt aatttccact 300
 tttgtaataa ttttgattt 319

<210> 509
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 509
 ctggcttcac tgetcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgag gtgggtgtca 300
 tcaaagcagt ggacaagaag gctgctggag ctggcaaggc caccaagtct gccagaaaag 360
 ctgagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
 gaagaacggt ctgagaactg tttgtttcaa ttgg 454

<210> 510
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37, 70, 95, 146, 154, 164, 167, 226, 279, 317, 320, 322
 <223> n = A,T,C or G

<400> 510
 agcttttttt tttttttttt tttttttttt ttttttngca ttgcaaaaat ttattaaaat 60
 tggagaccn tgttttaatc ttcttggtgc atganactcc atcaggcagt ctacaaagac 120
 cactgggagg ctgaagatca cttganccca aaantttgag gctntantaa gcttcaaagg 180
 ccactgcacc ctaacttggg tgaggcaaga ccctttcaag cataanctgc atgcttgctt 240
 gttgggggca ttaaaaaccc tgaaagcgaa gccacatnt taatcagggc aaaatacaaa 300
 tgtgtgatgc ttgttantan antaa 325

<210> 511
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 511
 cctctggttg caggactcgt gaatggagca gttctgagaa ccaccctttt gctaaggagg 60
 cttgggagcc acatggctgc tcccttcaca ctgggtaaca gtgtagtatc ctgtgagaga 120

09920300.073101

ataaatgtat tcattt

136

<210> 512

<211> 474

<212> DNA

<213> Homo sapiens

<400> 512

```

cagccgggga ggctcccctc agatggatga catcaaagtg ttccagaatg aagttttagg 60
aacactacag cggggcacaag aggagaacat ttcttgtgac aatctcgtcc tggaaatcaa 120
ctctctcaag taagagcagc cctccctgt tctcctcggg gtgatcccgga gaaggttagag 180
gctttctcgt aagtgttttg tctccaaata ggaacctatt ccttcgacat cccaaatgga 240
aagaccagta gtatttggag caggagagagc attattaagt tctagcctca gcatagactt 300
tctccttctc aaaccctccc ctcccatatt gttccatcca gattcctctc caatgtctat 360
caaagtcata gttctaagcc tgctgaaagg ccagtgaagg ccttgggtgc accccagtct 420
ccccacaggt atgcctataa cgtaagtcta aaggaggtga tgcaggtact gagg 474

```

<210> 513

<211> 315

<212> DNA

<213> Homo sapiens

<400> 513

```

ccacacaggc tatctgaaca cgggtgactgt ctctccagat ggatccctct gtgcttctgg 60
aggcaaggat ggccaggcca tgttatggga tctcaacgaa ggcaaacacc ttacacgct 120
agatggtggg gacatcatca acgcccgtgtg ctccagccct aaccgctact ggctgtgtgc 180
tgccacaggc cccagcatca agatctggga tttagaggga aagatcattg tagatgaact 240
gaagcaagaa gttatcagta ccagcagcaa ggcagaacca cccagtgca cctccctggc 300
ctggtctgct gatgg 315

```

<210> 514

<211> 385

<212> DNA

<213> Homo sapiens

<400> 514

```

aaaaatattt acgtcttaca ggagctggat aatccagggtg caaaacgaat tctagagctt 60
gaccagttta aggggcagca gggacaaaaa cgtttccaag acatgatggg ccacggatct 120
gactactcac tcagtgaagt gctgtgggtc tgtgccaacc tctttagtga tgtccaattc 180
aagatgagtc ataagaggat catgctgttc accaatgaag acaaccccca tggcaatgac 240
agtgccaaag ccagccgggc caggaccaa ggcggtgatc tccgagatac aggcattctc 300
cttgacttga tgcacctgaa gaaacctggg ggctttgaca tctccttggt ctacagagat 360
atcatcagca tagcagagga tgagg 385

```

<210> 515

<211> 216

<212> DNA

<213> Homo sapiens

<400> 515

```

aaatttcatt tactttgttt tactgtaatt tacacaagag actgacaagt aaactaggta 60
ttttacattc accacacatt cctcacaatc tccacagttg ttagaaaaac attaaaatcc 120
atgcgcgggg ctctcatttc catgtgcgcc taagctccca atgatactac agatgccagc 180
gagagttaag ttcattaaaa ggagagggct agactc 216

```

T07E20"00E02660

<210> 516
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 516
 cctctgttgc cagaccagag ctggaggtaa atgctgccat agtctctgga caaagcagtg 60
 agcccaaaga gatagttgaa aagtccaaaa tcccaggccg aagaaactcc cgaactgaag 120
 agccaactgt ggcctctgaa agtgtggaaa atggacatcg taaacgatct tctcgacctg 180
 cttcagcctc cagctctact aaagacataa ccagtgcggt gcaatccaag cgaagaaaat 240
 ccaagtaaac aagcaggact gcgacttgat acttggaat gtgtgtgact ttacaaaaga 300
 gcaattttga gctgtgactt tttt 324

<210> 517
 <211> 279
 <212> DNA
 <213> Homo sapiens

<400> 517
 ctgacccgc ctgagggtc ctcaaagtct gagcaagacc aggcagaaaa tgagggcgag 60
 gactcggtg tgttgatgga gagactgtgc aagtacatct acgccaagga ccgcacagac 120
 cggatccgca catgtgccat cctctgccac atctaccacc atgctctgca ctgcgcgtgg 180
 taccaggccc gcgacctcat gctcatgagc cacttgcagg acaacattca gcatgcaggc 240
 ccgccaagtgc agatctttta caaccgcacc atggtgcag 279

<210> 518
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 518
 aaaaagtagt tagcatTTaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
 gcccccccaa cactcttaaat cttctcctca gctcttctgc tgaagaattt ggccttcacg 120
 atgacaggct gctttgggag ctttcccttt ccagaaactt tgtagtagcc cgatcgacac 180
 acatcaatga tgggagcagc ccccgctctt tttttagcag cattcacccg tgtctgttca 240
 ctgaccaaag tccacaattt gtcaagggtg acagttgggc agaagctctg gttcctcttt 300
 aagtggtaat gcttcatacc aactttccca aagtagcctg ggtggtattt gtcgaagttg 360
 atccggtggt gatgcagacc accagcatta 390

<210> 519
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 519
 ctggtgaatg acggtgccat gactgaggtg gtcgaaagg agtattttaag gggaaatcag 60
 gcattccgtt ttgaccaaata taagctggag atgcctgtgg aacattccag ccaggctgca 120
 tcacgtcaca ctgaccttca gcattgcca cagtccatct tccccagga cctgaggatt 180
 ttgcgtccgg ctccctcctc gccagggacc cccaagctcc cagcacgctt ctgatttttt 240
 tttgtagggt tttttttttg ttttttgttt tgttttgttt tgtttttgag agggagtctc 300
 actttgtgcc ctagactgga gtgcaatggc gccatctcgg cttactgcaa cctccacctc 360
 ccagggtgca gcgattcccc tgccctcagct tcccagtag ctgggattac agatgtgagc 420
 caccgtaccc agctaatttt tgtattttta gtagagacgg ggtttcacca tattgg 476

05920300 "073101

<400> 523

```

ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaan gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctcanaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcag 415

```

```

<210> 524
<211> 245
<212> DNA
<213> Homo sapiens

```

```

<400> 524
tgcaaaaccc cactctgcat caactgaacg caaatcagcc actttaatta agctaagccc 60
ttactagacc aatgggactt aaaccacaaa acacttagtt aacagctaag caccctaata 120
aactggcttc aatctacttc tcccgccgcc gggaaaaaag gcggggagaag ccccggcagg 180
tttgaagctg cttcttcgaa tttgcaattc aatatgaaaa tcacctcgga gctggtaaaa 240
agagg 245

```

```

<210> 525
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 439
<223> n = A,T,C or G

```

```

<400> 525
aaaattatTT cttgaatctc tccatacaca ggcaaaaata agtgtgttac ttaacatact 60
ggaaattgcc taacttaatc attgcctaaa gaagagaaaa ttatcccaa aacgcgctta 120
accaggaggc caatgcattt gccgacctcc aagaacatgg agatgaacgt gatagacaga 180
ctgtccacca tctgaacctt cattcaccac cattcgataa cccttattca ggcccagatc 240
agcagcacat ttcttgccaa caatcattaa gtgtccaaga agactttcat catcatcttc 300
taccacagaa atctgggata tatgtttctt gggatcacc agaaaatgtg ttggtgcttg 360
aggggaaatg tcatggaaag caaggcaccg gtcactctca aaaatgattt tggctggtat 420
ttccttgccg atgatcttnc caaagatcgt gtcgccacc 459

```

```

<210> 526
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 97, 109, 131, 260, 266, 343
<223> n = A,T,C or G

```

```

<400> 526
ccaaggcccc ttttgagccc caggctatg gtgccttcc t gactctcagt atcctcgacc 60
gatactacac accgactatc tcacgtgaga gggcagngga actccttang aaatgtctgg 120
aggagctcca naaacgcttc atcctgaatc tgccaacctt cagtgttcga atcattgaca 180

```

09520300.073404

```

aaaatggcat ccatgacctg gataacattt ccttcccca acagggctcc taacatcatg 240
tcctccctcc cacttgccan ggaacntttt ttgatgggct cctttatttt tttctactct 300
tttcaggcgc actcttgata aatggttaat tcagaataaa ggngactatg gatataattg 360
agccctct                                     368

```

```

<210> 527
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 45, 68, 76, 88, 95, 187, 235, 240, 242, 246, 269, 274, 340,
363, 377, 379, 382, 394, 405, 409
<223> n = A,T,C or G

```

```

<400> 527
gtacaagctt tttttttttt tttttttttt ttttttttca ggctngtttt attttaatgg 60
ctgatctntg taatncaga ggccagtntg tacanacaaa gtgggaggtt ttatttcttg 120
gtctcttctt ccttggataa agtcttgatg atctcctctt tcttggcctg gaggcgctct 180
tcacgngct tgcgtgcttc cttgggtctta aacctgcggg cctcaacctg gtcanccagn 240
ancttnttgc gggccttgct tgccttcanc ttgnggatgt gttccatgaa aatccgcttg 300
tttttgaaca cattccctt caccttcagg tacaggctgn gatacatgtg gcgatcgatc 360
ttnttaaatt cacggtntnt tntgagcagc cggngcaaaa tcctnattnt cctcatcc 418

```

```

<210> 528
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 385
<223> n = A,T,C or G

```

```

<400> 528
ccatttttcc tgaatgacat caattatgtc atctgtaaaa tctccctgaa tgataatttc 60
atcctccctt gttactgagg caccacagga gaatttttga gcaaaaaatc tttgtgcttc 120
tttaagatca atttcaaaag ttgcaaggcc acatactctt gtcacatatt tcttctttgc 180
tctgggaatt ttggctatag taaccttttg tggtacggtc ttcttttttt gttttatttg 240
acctcttcca cctctcttct gttttttctt ctctcttctt tccctgctg ttccttgacc 300
ctcactaatt ccagcttctt gtttgggtga attttctaca gtaagttttg caaattcatt 360
tggaatttc ttctctaacc attgntaca tttagcaaca tcaggcatat attcacagta 420
ctctgttggg aatgaacaga ctccacaata aaggactcga agtgggtaat cggcatc 477

```

```

<210> 529
<211> 217
<212> DNA
<213> Homo sapiens

```

```

<400> 529
agaaattgag atgcccccca ggccagcaaa tgttcotttt tgttcaaagt ctatttttat 60
tccttgatat ttttctttct tttttttttt ttttttggat ggggacttgt gaatttttct 120
aaaggtgcta tttaacatgg gaggagagcg tgtgcggtc cagcccagcc cgctgctcac 180

```

T.07E.0.08E02650

tttccaccct ctctccacct gcctctggct tctcagg

217

<210> 530

<211> 479

<212> DNA

<213> Homo sapiens

<400> 530

aaaactgata ataatgctga attatcttaa gtgagatggt aagcccactt tggtctttta 60
atgtaatgga gcttatgggt agaagaccat gtctactaat tacaaaaaaaa aaaaaaaaaac 120
catgcattac tgcttttctt accacttcca gtaagaaaat ggggtgtttg aagaaatcat 180
ttgccttgtc ctacacgaat ctgattaagc cctggcctct tgattgtata gaggcattgt 240
gtatattcca gttacctaga tattcccttg agattttgat acaatttgag ggaggcagaa 300
gtctgcagtt gaagaaaaaa aataagtcgt tttgtcatat ttaagtagcc tgtggctatt 360
tttatactga ttttgatatc atgttctttt catagtcgta ttttgccacc gtaaacataa 420
aaaaaaaaaa aagatttcca aaatgccgtt ttcagaacct gggttttaat agcagtatt 479

<210> 531

<211> 344

<212> DNA

<213> Homo sapiens

<400> 531

ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgacccagt catcctgaat 120
gtcctctatg gccacagcga cccacaccatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggctg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 532

<211> 229

<212> DNA

<213> Homo sapiens

<400> 532

ctgatattag tagctttgca accctgatag agtaaataaa ttttatgggt gggtgccaaa 60
tactgtgtg aatctatttg tatagtatcc atgaatgaat ttatggaaat agatatttgt 120
gcagctcaat ttatgcagag attaaatgac atcataatac tggatgaaaa cttgcataga 180
attctgatta aatagtgggt ctgtttcaca tgtgcagttt gaagtattt 229

<210> 533

<211> 516

<212> DNA

<213> Homo sapiens

<400> 533

ctaccctgcc actggccctt atggcgcccc tgctgggcca ctgattgtgc cttataacct 60
gcctttgcct gggggagtgg tgccctcgcat gctgataaca attctgggca cgggtgaagcc 120
caatgcaaac agaattgctt tagatttcca aagagggaat gatgttgctt tccactttta 180
cccacgcttc aatgagaaca acaggagagt cattgtttgc aatacaaaagc tggataataa 240
ctggggaagg gaagaaagac agtcggtttt cccatttgaa agtgggaaac cattcaaaat 300
acatgtactg gttgaacctg accacttcaa gggtgcagtg aatgatgctc acttgttgca 360
gtacaatcat cgggttaaaa aactcaatga aatcagcaaa ctgggaattt ctgggtgacat 420

05920300 "073101

agacctcacc agtgcttcat ataccatgat ataactctgaa aggggcagat taaaaaaaaa 480
aaagaatcta aaccttacat gtgtaaaggt ttcatg 516

<210> 534
<211> 123
<212> DNA
<213> Homo sapiens

<400> 534
ctggtggctt ccctgcatgt cagggctctt cgacagatca tggggcactt cgaggggctc 60
gggaaggggt acgctgtgtc cgctcagcac cgggatgccc accaccggcg cccggtgcat 120
cag 123

<210> 535
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 390
<223> n = A,T,C or G

<400> 535
ccagttttat ccgagactct aaataagcac cgagctgata atcggattgt agagcgttgt 60
tgcagggtgcc tgcgctttgc tgttcgctgt gtaggcaaag gatctgcagc actgctgcag 120
ccactagtca cacagatggg gaatgtgtac cacgtacatc agcattcctg cttcctgtac 180
cttggcagta tccttgtgga tgaatatggc atggaagaag gctgtcggca gggactgcta 240
gacatgctcc aggcaactgt catccccacc ttccagctcc tagaacagca gaatggtctc 300
cagaatcacc ctgacactgt agatgacctg ttccggctag ccaccagggt tatttcagcgt 360
agccctgtca ccttgctgcg gagccaagtn gtcaccccta tcttacagtg ggccattgcc 420
tctactaccc tggaccaccg ggaatgccaat tgtagtgtca tgaggtttct acgagacctc 480
attcatacag gggtagccaa tga 503

<210> 536
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 337
<223> n = A,T,C or G

<400> 536
ggctactggg ggaacaagat cggcaagccc cacactgtcc cttgcaagggt gacaggccgc 60
tgcgggtctg tgctggtaag cctcatccct gcaccagggt gcactggcat cgtctccgca 120
cctgtgccta agaagctgct catgatggct ggtatcgatg actgctacac ctgagcccg 180
ggctgcaact ccaccctggg caacttcgcc aaggccacct ttgatgccat ttctaagacc 240
tacagctacc tgacccccga cctctggaag gagactgtat tcaccaagtc tccctatcag 300
gagttcactg accacctcgt caagaccac accagantct ccgtgcagcg gactcagggt 360
ccag 364

<210> 537

059E0300.073401

<211> 273
 <212> DNA
 <213> Homo sapiens

<400> 537
 ctgggcctga agctgtaggg taaatcagag gcaggcttct gagtgatgag agtcctgaga 60
 caataggcca cataaacttg gctggatgga acctcacaat aagggtggtca cctcttggtt 120
 gtttaggggg atgccaagga taaggccagc tcagttatat gaagagaagc agaacaaaca 180
 agtctttcag agaaatggat gcaatcagag tgggatcccg gtcacatcaa ggtcacactc 240
 caccttcatg tgcctgaatg gttgccaggt cag 273

<210> 538
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 538
 cctcctgcac tccgcccgga cccccggccc cgccgtggct atccagtcag ttcgctgcta 60
 ttcccatggg tcacaggaga cagatgagga gtttgatgct cgctgggtaa catacttcaa 120
 caagccagat atagatgcct ggggaattgcg taaagggata aacacacttg ttacctatga 180
 tatggttcca gagcccaaaa tcattgatgc tgctttgcgg gcatgcagac gggttaaatga 240
 ttttgctagt acagttcgta tcctanaggt tgtaaggac aaagcaggac ctcataagga 300
 aatctacccc tatgtcatcc aggaacttag accaacttt 339

<210> 539
 <211> 179
 <212> DNA
 <213> Homo sapiens

<400> 539
 caaagtggta cagaccaagt atgtggaagc caaggactgt ctgaacgtgc tgaacaagag 60
 caacgagggg aaagaattac tcgtccact gacgagttct atgtatgtcc ctgggaagct 120
 gcatgatgtg gaacacgtgc tcatcgatgt gggaactggg tactatgtag agaagacag 179

<210> 540
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 229, 284
 <223> n = A,T,C or G

<400> 540
 ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
 agttcctccc cagcatgcaa tgccaggtgg gattgtactt cttgtcaaat tccttcttga 120
 tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcactcca 180
 ccgagtctctg ttgcatctct tccgacatgt ccgcattttt gatcacggnc tttcggtcgc 240

acttggttac cgtggagaag gggctggccg actgcaacgg tctnctgggg gaggtgctag 300
cacagctcaa gcccggttag agctaccgtc gctaccgaaa ca 342

<210> 541
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 334
<223> n = A,T,C or G

<400> 541
caacagaata aatactttta tagtagtttt ataatcctga aattcgaaag ctttcccaat 60
tgcacttgca tctaaacaaa actgttgcag tttttactct atttattttg ttcccatgt 120
ttatgaaagt cctgcacagt ttcaaaggca tggtaaataa tataatcaatg tttatgtagt 180
ctgttacaga aacagctata gataacatta tccagtgaag agcaaaattc aagctttaga 240
aaatattcat gcatgcaatt ttgacatata taaaaatagg tttttgtata tttatggtgg 300
gaggtgggtg ggaactttta acaaaatggg gngntaattt ttgtacagtc tgtgggcatt 360
tacacatttt taatgtatta aaatttggtg attatgtgta cattaaatta ataaaagtta 420
ct 422

<210> 542
<211> 262
<212> DNA
<213> Homo sapiens

<400> 542
ctgacaacga aggccgcgcc tgcctttccc atctgtctat ctatctggct ggcaggggaag 60
gaaagaactt gcatgttggg gaaggaagaa gtgggggtgga agaagtgggg tgggacgaca 120
gtgaaatcta gagtaaaacc aagctggccc aaggtgtcct gcaggctgta atgcagttta 180
atcagagtgc catTTTTTTT tttgttcaaa tgattttaat tattggaatg cacaattttt 240
ttaatatgca aataaaaaagt tt 262

<210> 543
<211> 238
<212> DNA
<213> Homo sapiens

<400> 543
ctggagacac tttagaactc tttccccatc ctccaccata gtgcaaactt cacgcttctc 60
tgagcacctc caaggtatgc cttgaagtg aaacagaaaa gggaagaaag ggggcttttt 120
cttttccatt tctgaccaa cagaggtctg aaatagcagt gtattatgaa attctcattc 180
cctgcaacag tcagccacca cttggaaaat ggctattttt gccataaact agattttt 238

<210> 544
<211> 346
<212> DNA
<213> Homo sapiens

<400> 544
ccaccctgaa aatcaggaac tccaacttct acacgggtggc agtgaccagc ctgtccagcc 60
agattcagta catgaacaca gtggtgaatt ttaccgggaa ggccgagatg ggaggaccgt 120

09920300 073101

```

tttcctatgt gtactttcttc tgcacggtac ctgagatcct ggtgcacaac atagtgatct 180
tcatgcgaac ttcagtgaag atttcataca ttggcctcat gacccagagc tccttggaga 240
cacatcacta tgtggattgt ggaggaaatt ccacagctat ttaacaactg ctattgggtc 300
ttccacacag cgctgtaga agagagcaca gcatatgttc ccaagg 346

```

```

<210> 545
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 545
ctgctactga gtaaggggca ttcctgttac agaccaagga gaactggaga aagaaagaga 60
aaatcagttc gtggttgcat tgtggatgca aatctgagcg ttctcaactt ggttattgta 120
aaaaaaggag agaaggatat tcctggactg actgatacta cagtgcctcg ccgcctgggc 180
cccaaagag ctagcagaat ccgcaaactt ttcaatctct cttaaagaaga tgatgtccgc 240
cagtatgttg taagaaagcc cttaaataaa gaaggtaaga aacctaggac caaagcacc 300
aagattcagc gtcttggtac tccacgtgtc ctgcagcaca aacggcggcg tattgctctg 360
aagaagcagc gtaccaagaa aaataaagaa gaggctgcag aatatgctaa acttttgg 418

```

```

<210> 546
<211> 492
<212> DNA
<213> Homo sapiens

```

```

<400> 546
cgaattcttc aggatgatgt tgcattgtgac atcattaaaa taggttcttt agtaaggaat 60
aaagagagat ttgtaaaacg aagacaacgg cttattggtc ccaaaggatc tacattgaag 120
gcattggaac tcttaactaa ttgttacatt atggttcagg gaaacacagt ttcagccatt 180
ggacctttta gtggcttaaa agagggttaga aaagtagtcc ttgatactat gaagaatatt 240
catccaattt ataacattaa aagcttaatg attaagagag agttggcaaa agattctgaa 300
ttacgatcac aaagttggga gagatttttg ccacagttca aacacaaaaa tgtgaataaa 360
cgcaaggaac caaagaaaaa aactgttaag aaagaatata cgccattccc accaccacaa 420
ccagaaagtc agatcgataa agaattggct agtgggtgaat actttttgaa ggcaaatcag 480
aagaagcggc ag 492

```

```

<210> 547
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 515
<223> n = A,T,C or G

```

```

<400> 547
aaaagaaaaa gatatacttg ttttgcccct tgacctgacc gacactgggt cccatgaagc 60
ggctacaaaa gctgttctcc aggagtttgg tagaatcgac attctggtca acaatggtgg 120
aatgtcccag cgttctctgt gcatggatgac cagcttggat gtctacagaa agctaataga 180
gcttaactac ttagggacgg tgccttgac aaaatgtggt ctgcctcaca tgatcgagag 240
gaagcaagga aagattgtta ctgtgaatag catcctgggt atcatatctg tacctctttc 300
cattggatac tgtgctagca agcatgctct ccgggggttt tttaatggcc ttcgaacaga 360
acttgccaca taccagggt taatagtttc taacatttgc ccaggacctg tgcaatcaaa 420
tattgtggag aattccctag ctggagaagt cacaaagact ataggcaata atggagacca 480

```

gtcccacaag atgacaacca gtcgttgtgt gcgngtgatg ttaatcagca tgg 533

<210> 548
<211> 295
<212> DNA
<213> Homo sapiens

<400> 548
ccatgtatgt gcatgcatat acactctaca gtgctgttag accttttggc tgcagtttca 60
tgtaggggtc ttacagtgtg aatgacggtg cgcaactcta catgattgac ccatcaggtg 120
tttcatacgg ttattggggc tgtgccatcg gcaaagccag gcaagctgca aagacggaaa 180
tagagaagct tcagatgaaa gaaatgacct gccgtgatat cgttaaagaa gttgcaaaaa 240
taatttacat agtacatgac gaagttaaagg ataaagcttt tgaactagaa ctacg 295

<210> 549
<211> 195
<212> DNA
<213> Homo sapiens

<400> 549
tgctgttcgt gatatgagac agacagttgc ggcgggtgtc atcaaagcag tggacaagaa 60
ggctgctgga gctggcaagg tcaccaagtc tgcccagaaa gtcagaagg ctaaataaat 120
attatcccta atacctgccca cccactctt aatcagtggt ggaagaacgg tctcagaact 180
gtttgtttca attgg 195

<210> 550
<211> 497
<212> DNA
<213> Homo sapiens

<400> 550
ccacggggac tggtatttcgc aagctgggtt tctagacctg ttagctggaa gcatgggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
cagcgttttc tggtagtcgc ccttagtggtc ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaatatt caacatgtcc acttactgac gggagaccat 240
gattctgac aggaacctat ctgcgctccc cttgcccttc atggagtcac acagccgatc 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaata actttctgga ggtggggcac gctccgctcg gtcagtgatg tgatccactt 480
gggaacatca gttcctt 497

<210> 551
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 223, 414
<223> n = A,T,C or G

<400> 551
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttggtattca ttacttcatt tatatcaagc acagcagtaa aacaaaaacc catgtattta 120

0920300-073104

```

actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt ganatgatgg ctagctttgt 240
ttaatgtcct atgaaatttt catgaacaat ccaagcataa ttgttaagaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctctacag 360
cttttcatgt aaattagtag acgtgttctt aacaattatg cttggattgt tcanaacacg 420
tgtattaaat tcatgtaagt ggaataaaaag ttttatgaat ggacttttca actactttct 480
ctacagcttt tcatgt 496

```

```

<210> 552
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 247, 288, 355, 377, 410, 414, 420
<223> n = A,T,C or G

```

```

<400> 552
aaatgtttta ggcaacctaa ggacaaatgt aaaagtaaag atgcaggaaa aatgaattgc 60
ttgttattca ttacttcatg tatatcaagc acagcagtaa aacaaaaacc catgtattta 120
actttttttt aggatttttg cttttgtgat tttttttttt tttttttgat acttgcctaa 180
catgcatgtg ctgtaaaaat agttaacagg gaaataactt gagatgatgg ctagctttgt 240
ttaatgnctt atgaaatttt catgaacaat ccaagcataa ttgttaanaa cacgtgtatt 300
aaattcatgt aagtggaata aaagttttat gaatggactt ttcaactact ttctntacag 360
cttttcatgt aaattantac acgtgttctt aacaattatg cttggattgn tcanaacacn 420
tg 422

```

```

<210> 553
<211> 507
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 422, 436
<223> n = A,T,C or G

```

```

<400> 553
cctaagaact cactggcatt tgtttcaagg taactgaaca agaagctggt tggaattggc 60
agaagtcaga taaaaaacca atcttacctg ccccttcttc ctctcttgag ctgttggtta 120
tattcaaatt aaatacacat tgtttctctc tgtagatacc tatgtactta atagattcta 180
gttagtaaac tgcacatgcc caataacttt gaggaaattt agtgaaaatg aagaaaaaga 240
gaaaatattt ctcttttagac ctgagggttat gtttaggctg gcccatagaa acagggtccag 300
ataaatttct aaaaaagcaa agtagatatt tatgaatagt attcaatgcc taggattaac 360
atctaaaatg actcagtagt actgctagcc agccaataaa atataaactc catttgtctt 420
anttatatag aactgngttt ccagcttaga aaaagtcaaa ccaatgactt ttagaacaat 480
ctactctcat tttttattca gcctcta 507

```

```

<210> 554
<211> 339
<212> DNA
<213> Homo sapiens

```

0920300-073101

<400> 554
 cgccaggggct tctgctgagg gggcagggcg agcttgagga aaccgcagat aagttttttt 60
 ctctttgaaa gatagagatt aatacaacta cttaaaaaat atagtcaata ggttactaag 120
 atattgctta gcgttaagtt tttaacgtaa ttttaatagc ttaagatttt aagagaaaat 180
 atgaagactt agaagagtag catgagggaag gaaaagataa aaggtttcta aaacatgacg 240
 gaggttgaga tgaagcttct tcatggagta aaaaatgtat ttaaaagaaa attgagagaa 300
 aggactacag agccccgaat taataccaat agaagggca 339

<210> 555
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 555
 aaaaccaaca atgatgccta gtgagtatgt gtccacaggc cataacaggg tagaagagag 60
 acatcgtagc acccaatgag tagtgaaggg actgtgttgc ttgtgaagcg gtgtagtagc 120
 atttttgcag attcttggct ggggttagtg tactgatcta gaaaagctgt ttttctgctc 180
 ctttgtggaa ggcagttatg atcaggctgc atggacaaag caggtagagg ggcacatca 240
 ggggctcttg cactattttc acctctaaat attacgtact cagtagtgcc ctgcttctag 300
 ggctctgaat acgggcttaa agtcatcttg tctgctgga atttgctgtg cagagccata 360
 agcctcccat tttgttagcg tcagctaggc caataggaac agaccgggac cttgtctcac 420
 actgatgata cctcacatgt tgaccggcta tgtgaactgc ctatttccta tgctggagtt 480
 ttgattttta actaaacgca aatctgtaga ttctc 515

<210> 556
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 556
 ctgtgccact cggccatctc tgtatgtgac tgtgatgttg gacatctggc agttcatgtt 60
 gtccctctgct tcaatgagct tccccgata tacctcaccg gtgttcgtct cacatgtcac 120
 aatgtggccc tcggcctcat gcagtacttt aatcggcaca ccaatagaca tcttggcagg 180
 aagagagttc ggctctggcc tactttt 207

<210> 557
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 557
 ggccgccccg gcaggtctgg cagcgtctga tgtcggggcac agaggtgaca ccgcagcgct 60
 tgtactgccc gtccccaatg gagcgtgaca cctctagcac gcccaaaaca cgcccatccc 120
 tgacgtttcc tccagccttc tgtatcctca tccgctcttc atactgagtt ggattatgct 180
 ctttgcctgag gcttaaggct gcatgttttt gactctcctc attataacga cacaagattg 240
 cccgactatc tccgaggttg gcaatataaa gaatgttgct tacagccaga acacacgtgg 300
 cagtggaccc atctttccag gcaggcttct ggctggaagc ttgtttaagg aactcttcat 360
 cagtatgctt gaaagtgtcc aaaaggcacg tcttcacggg tttctctaca ctgattacat 420
 ctcccttagg aaattttctg attaagtttt gatgcaaatt ctgtgcagca aattttgagg 480
 ctogaattcc t 491

<210> 558
 <211> 511
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 499

<223> n = A,T,C or G

<400> 558

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggtctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt ctcttttcgg tggagacaa tggattttcg 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagnaa ctctcgatgt 420
tacatcaaac attatgatgg cacactgggc ttggatataa tagccatctc tcagtccacc 480
gaattttctc tggccggcng tgtcccatac a 511
```

<210> 559

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 198, 253, 263, 279

<223> n = A,T,C or G

<400> 559

```
ccatgttctt cagaaagaac atgcctggct ttttcacgat ttgatcagtc ttcttagacc 60
ctgaacccca ccatgaaatg gcttccccag acacaaccgc agagagttat gctttgtttc 120
tcagctaaaa tattttgcag atcttaattt cctgggtcat tgcattttt tttttttttt 180
ttaaagactg agtttaanaa ataaattatc ggccgggcga ggtgggtcat gcctataatc 240
caagcacttt ganaggccaa ggnnggtggg tcacaaggnc aggagtttga gaccagcctg 300
g 301
```

<210> 560

<211> 218

<212> DNA

<213> Homo sapiens

<400> 560

```
ctgctgcagt tcaactggaca aggattcgcc atcgacactg tgcttggccg cactggagag 60
gatgaaactc agcactgccca ctgtggcctt cacatcgctt gactcaaaact tggcgtcagc 120
cgtgagcttc aggatcttct cataatcaat cccctgtccc agcagctcct ttagtacctg 180
gctgcagagc agccgcaact tcacagagga catcttgg 218
```

<210> 561

<211> 436

<212> DNA

<213> Homo sapiens

<400> 561

```
aaaggcttaa tggcaataat caggggagga agaagagtat gtttatttta cataactgac 60
```

09920300-073101

```

ggaaaaataa attcaacaaa tagtaaatag aatttaatat ggtctcatgc gccctgaagg 120
aggtggtgcc cgatttggag gggtaattgc tatgtccaag taatctccta tctggaactt 180
ctgcgactgc agggatcatg aatcatcagt cccctttctg ccagacatgg tgctgccaat 240
ctccttaact cgatagccag gtcttttaac atctgtaaaa acgattgcaa aattgaagtg 300
agtgcccttc tttctagctt ctgggtagac ttcttttact aagcttgtca gttctttcaa 360
ggttgcaccc atccaagtgt agatctgcaa ctgctgggac ggtacatttc cccgggagaa 420
ctcgtccatt cggtgg                                     436

```

```

<210> 562
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 104, 254, 255, 317
<223> n = A,T,C or G

```

```

<400> 562
ttggtcttga actcctgacc tcgtgatcca tccaccttgg cctcccaaag tgctgggatt 60
acaggatatga gccaccgcgc ctggcctttt tttttttttt ttanacaggt tttggctctg 120
tcacccaggc tggagtgcag tggttcttaa acgggggttaa ttatgtctc cattcccgcc 180
aggagacacc tggcaatgtc tgggagacat ttttggttat taccctgaga gaggagagct 240
ccatgggcac tgannnggta gaggccgggg tgctactaaa catcctacaa tgaccaggac 300
agcctcccac gacaaanaat catccagccc caaatgtcag tagagccagg attccaaaac 360
cctggtgtta ggtataagaa ttgac                                     385

```

```

<210> 563
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 260, 355
<223> n = A,T,C or G

```

```

<400> 563
gcacctttcc ccaacaggaa cagagtcac cagccaatgg ggatgagtcc ccgggggtcat 60
cttacgtccc tgcaggatgc catgtgcgag actatggagc agcagctctc ctcggaacct 120
gactcggacc ctgactgagg atggcagctc ttctgctccc ccatcaggac tgggtgctgct 180
tccagagact tccttggggg tgcaacctgg ggaagccaca tcccactgga tccacacccg 240
cccccacttc tccatcttan aaaccccttc tcttgactcc cgttctgttc atgatttgcc 300
tctgggtccag tttctcatct ctggactgca acgggtcttct tgtgctagaa ctcangetca 360
gcctcgaatt ccacagacga agtactttct tttgtctgcg ccaagaaga                                     409

```

```

<210> 564
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 245, 318, 334, 390

```

0920300"00402660

<223> n = A,T,C or G

<400> 564

```
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
acagcaagac tgtctcaaaa aaaaaaaaaa aaacccaaaa aaactcaaga atgtaatgaa 120
tgatacccaa tgtgcctttt ctagaaaaag ttgccaaata tatctcttgg atctgctgag 180
catgtcctct gatacataag gcaagcatgt ttctacaccc agtggtgatg ccagttagtt 240
ttcanaatcc aaactgatgg cagctactgg tccttggggac tgacatcctc tgggaatata 300
accttctctt ggactganat gctgctgcca gctntaaaac agcactctgt tctcaaaacc 360
tcatggcagg ctccctggctc caataactcan 390
```

<210> 565

<211> 219

<212> DNA

<213> Homo sapiens

<400> 565

```
ccaagaggaa tcagaaacct gaagttagaa aggctcaacg agaacaagct atcagggctg 60
ctaaggaagc aaaaaaggct aagcaagcat ctaaaaagac tgcaatggct gctgctaagg 120
cacctacaaa ggcagcacct aagcaaaaaga ttgtgaagcc tgtgaaagtt tcagctcccc 180
gagttgggtg aaaacgctaa actggcagat tagattttt 219
```

<210> 566

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 249, 307

<223> n = A,T,C or G

<400> 566

```
ctgcctgcct gccagaggcc aagcattcct aagcgtgggc tgggggaggc cctgcccctc 60
tgtagcagca gagcagacag ggcagtggga gaaccatgtg ggtaggaggg catcagggtct 120
caagagcctc tcccctgctc aggactgggt ctagacaagg ccacgtgtga taggggtggta 180
agccctgggc catatggagg agcctggggc ccatcttggg tctgctgctg agttgctggg 240
tggttttang caagtccctt cttgtccctt ggtcactctg tttcctggct agcactggca 300
gcaaggnctc ca 312
```

<210> 567

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 457, 560

<223> n = A,T,C or G

<400> 567

```
ctgcatttgg gggagagggg tagggattat cttcaaagca cccagctct cttgatgaga 60
aggctcagagg tacactgggt tgtattattg cgacatccat aaggatgatc aggttgcttt 120
tccttcagca agggctttat ttatcagaag gacattacgc ttgacctcca aatttggtgt 180
```

09920300.073101

```

acaatttact gatgagattc ataacctttg ggttgctctg gtattttgac atatttgctg 240
ggttctgagc cacatcctgg aaagccacca taacttctgg atcctgcatg gctgcaagaa 300
cctctggatc actaagaatt tcattgagtc caggcattcc agccattcca ggcatgcccc 360
ctcccatgcc aggtattcct cgggaaaaat taccaggcat tccccagga aagccacctg 420
gaaaagagcc atactgagct cctgactgtc gtctggnctt cttcctccct ctgggctctc 480
tcatgctctt ctcgagcctt cttaactcgt tctattcttt ctttgatctc tcgctcttca 540
cgtttttcgc tcatactttt ttccgatgtt ctgcaatttt ctg 583

```

```

<210> 568
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 568
cctaagaatg cagacgggga gaaaaaaaaac caaaaccaa aaaaaagaca cctctccaat 60
tgctgggagg gcctgggaat aggtgaagat caaacacag tgggagaaga gggtaaagat 120
gtgagcttca agcgggtaat gggcaagcca cacctcccag ttcctaggag ggaatcgcca 180
cggccgactt cagcattctc gtctttacta agacttacct atagagaact acagcaggaa 240
accgatttct tcattcattc tcttt 265

```

```

<210> 569
<211> 251
<212> DNA
<213> Homo sapiens

```

```

<400> 569
cgcgggacac cgggtgtaga gggcggtcgc ggcgggcagt ggcggcagaa tggtggctac 60
cagggtatct agcctagttg gcaagcgagc aatttccacc tctgtgtgtg tacgagctca 120
tgaaagtgtt gtgaagagcg aagacttttc gccccagct tataatggatc ggcgtgacca 180
ccccttgccg gaggtggccc atgtcaagca cctgtctgcc agccagaagg cactgaagga 240
gaaggagaag g 251

```

```

<210> 570
<211> 305
<212> DNA
<213> Homo sapiens

```

```

<400> 570
ctggagaagg acttcagcag cgtgaagaag tactgccaag tcatccgtgt cattgcccac 60
accagatgc gctgtcttc tctgcgccag aagaaggccc acctgatgga gatccagggtg 120
aacggaagca ctgtggccga gaagctggac tgggcccgcg agaggcttga gcagcaggta 180
cctgtgaacc aagtgtttgg gcaggatgag atgatcgacg tcatcggggg gaccaagggc 240
aaaggctaca aaggggtcac cagtcgttgg cacaccaaga agctgccccg caagaccac 300
cgagg 305

```

```

<210> 571
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 216, 219, 240, 273, 326, 347, 351
<223> n = A,T,C or G

```

<400> 571
 ctgaagatcc gtaagagcaa tcagatacct actgaggtca ggagcaaagc tgaggagggtg 60
 gtgtcatttg tgaagaagaa tgttctagta actgggggat ttttcggagg ctttctgctt 120
 ggcatggcat cctaaggaag atgacctcat gttcattgtt cctgggtttt tccagccagc 180
 agcctctaca ctccatcata ggacatcgag tccctnctnc tcttctccca tgccttcttn 240
 cctgccatgg caaatctgag tggcttctct aancatctgc tgggtacaagt caatgtggca 300
 ccatgagctt catggtggca gaaganacaa tagtccttac tcttctncca ntacaccccc 360
 tacttgg 367

<210> 572
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 572
 atcaagggaa gaaggaggaa tgctggactg gagggccctg gagccagatg gcaagagggt 60
 gacagcttcc tttcctgtgt gtactctgtc cagttccttt agaaaaaatg gatgcccaga 120
 ggactcccaa ccctggcttg ggggtcaagaa acagccagca agagttaggg gccttagggc 180
 actgggctgt tgttccattg aagccgactc tggccctggc ccttacttgc ttctctagct 240
 ctctagg 247

<210> 573
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 573
 ctggaagcct tgttggcccc taagcctttg tttcatgcta cagtactgag gggatatgtg 60
 ccccaatgca cagccacccg cacacaactc aatgagcttc ctgggaaaca ctattccccc 120
 acctccacct taggtggctg cctcagtttt ccaaccacag gaatcagtc ctcagctcct 180
 gcctctagtc tccaccccaa aagttcagtc gtctctgtct tggagggcac tgtcggcccc 240
 ctcaggttga agttcaacac tcctcaatga gcag 274

<210> 574
 <211> 497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 418, 428, 430, 434, 484
 <223> n = A,T,C or G

<400> 574
 aaagcaaaag aggatgtatg agcagcagcg ggacaatctt gcccaacagt cattcaacat 60
 ggaacaagcc aattatacca tccagtcttt gaaggacacc aagaccacgg ttgatgctat 120
 gaaactggga gtaaaggaaa tgaagaaggt atacaagcaa gtgaagatcg accagattga 180
 ggatttacia gaccagctag aggatatgat ggaagatgca aatgaaatcc aagaagcact 240
 gagtgcagct tatggcacc cagaactgga tgaagatgat ttagaagcag agttggatgc 300
 actaggtgat gagcttctgg ctgatgaaga cagttcttat ttggatgagg cagcatctgc 360
 acctgcaatt ccagaagggtg ttccactga taaaaaaac aaggatggag ttctggtna 420
 tgaatttngn ttgncacaga tccctgcttc atagatttgc atcattcaag catatcttgt 480
 aaanaaacac atattat 497

00990300-00990300

<210> 575
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 575
 aaatgagcgt aaaaggccct ctaacctatg caggtttccc cattatgcat atagaaaatg 60
 ctagtatgtt ttgctcactt catatgtaac aggtgccctt atgttgtgct gtatcctgtg 120
 ctttttctgt gggaccattc cattcaggag caaagagcac catgattcca atcttgtgtg 180
 tgtttactaa cccttccctg aggtttgtgt atgttggata ttgtggtgtt tt 232

<210> 576
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 576
 ctggcaattg gtttctgtga tgagtcgggc atcatggctg acaacgatca cagcaccctt 60
 gtattcattg atggcctccc ctagagcatc aatagactct atgtccagggt tattgggttg 120
 ctcgtccaag atgaggacat caggttcccg acaggccagc tcagcaaaca caactcgcgc 180
 cttctgacca ccagagagtt tgcagatctg gatggtgtgg gcgtgactct ccaggccgaa 240
 gcggcccgagg cacttgcggg catcctggta gggcagggtt aagccccgct gcagggtactc 300
 agtgggcgtc tcctccatgc gcag 324

<210> 577
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 577
 ctgaccagca ccatggcggt tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga 60
 gccagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
 gctatgttca atataagaaa tattggaaaag acgctcgtca ccaggaccca aggaaccaaa 180
 attgcatctg atgggtctcaa gggctcgtgtg tttgaagtga gtcttgctga tttgcagaat 240
 gatgaagttg catttagaaa attcaagctg attactgaag atgttcagggt taaaaactgc 300
 ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
 tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggtta cttgcttcgt 420
 ctgttctgtg ttgggttttac taaaaaacgc aacaatcaga tacggaagac ctcttatgct 480
 cagcaccaac aggtccgcca aatccggaag aagatgatgg aaatcatgac ccgagagggtg 540
 cagacaaatg ac 552

<210> 578
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 578
 cctgacagac agaagggctt ggagatTTTT tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgtc aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cgatttgaat atcttccagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
 atcctgggga catactgg 198

<210> 579

05920300.073101

<211> 457
 <212> DNA
 <213> Homo sapiens

<400> 579
 ctgccttgga gtcgccctca gcagagatga tggccgcctt ttctgttgct cagccttttc 60
 caccacaaat ctggccctct ctgcttcctg ctgagccacc tgtttggtt ccaccgcttc 120
 tgtgaactcc ttcccgaagg tcagatgtgt caaggacacg tcatccagga tgagcccaaa 180
 ggtggcggct cgctctgtaa ggctcgtcgt cacctgcctg gagaccagct ctctctgggt 240
 gattagttct ccagcatcaa agcgagccac cactgacttg aggatctcag ttgtgatgga 300
 cggcagcaca cgctcatcat agtcctctcc gatgctgggt aagatgcgag gaagctggct 360
 ggcgacaggc cggaagagga tgcgcagtgt gatgttgaca ttctgtaaat ctttgctacc 420
 agtgatgact ggcacattac gtggctcgaga acggcag 457

<210> 580
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 118, 147, 150, 151, 202, 341
 <223> n = A,T,C or G

<400> 580
 ctgatatctc ctcntgctat cctcaaactg ccactcttaa ctcttgaagt aaataaataa 60
 tctttgctgg caggactatg ctgaacctcc ttaggcactc tctaattaga tgtcctangt 120
 cctcccaatt cttagtcctt ttatatntgn ntttctcctt ctcttattcc atttagtttt 180
 tcaattcata caaaaccgta tncaggccat caccaatcat tctatacaac aaatgtttct 240
 tctaacgtcc ccacaatata accccttacc acaagacctc ccttcagctt aatctctccc 300
 actctaggtt cccacgcgc ccctaataccc gcttgaagca nccctgagaa acatcgccca 360
 ttctctctcc ataccacccc ccaaaaattt tcgctgcccc aacacttcaa cactat 416

<210> 581
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 581
 ccaaagggcc aaaacaatta agaacacagt ttgtgtcaat gtggagttaa ctgcagaaca 60
 gtggaaaaag aagtatgaaa aagaaaaaga aaaaaataag atcctgcgga acactattca 120
 gtggcttgaa aatgagctca acagatggcg taatggggag acggtgccta ttgatgaaca 180
 gtttgacaaa gagaaagcca acttggaagc ttccacagtg gataaagata ttactcttac 240
 caatgataaa ccagcaaccg caattggagt tataggaaat ttactgatg ctgaaagaag 300
 aaagtgtgaa gaagaaattg cttaaattata caaacagctt gatgacaagg atgaagaaat 360
 taaccagcaa agtcaactgg tagagaaact gaagacgcaa atgttggatc aggaggagct 420
 tttggcatct accagaaggg atcaagacaa tatgcaagct gagctgaatc 470

<210> 582
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 582

09920300 "073101

cgagatcgtg ccactgcact ccagccttgg cgacagacta agacgctgtc tcaaaaaaaaa 60
 acaaaaaacga caaaaaaaaa caaaacagaa aaaataaact aaggcaatga cagtccctgg 120
 caaatgctgg gagggaggca gcagtgggtca gggaaggtaa ccctgaagca ggacttgtaa 180
 agcaaataag attgggaggc caaggtgggt ggatcacgag gtcaggagt gtagaccggc 240
 ctgg 244

<210> 583
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 583
 ctgggtttca ccaccaacct cagtgcctac cagagcgtgc aggagacctg gctggccgcc 60
 ctgacgtgtg tggcgggtgt tgaagccatc ctgctgctga tgctcatctt cctgcggcag 120
 cggattcgta ttgccatcgc cctcctgaag gaggccagca aggctgtggg acagatgatg 180
 tctaccatgt tctaccact ggtcaccttt gtctcctcc tcatctgcat tgcctactgg 240
 gccatgactg ctctgtacct ggctacatcg gggcaacccc agtatgtgct ctgggcatcc 300
 aacatcagct cccccggctg tgagaaagt ccaataaata catcatgcaa cccacggcc 360
 caccttgtga actcctcgtg ccaggggctg atgtgcgtct tccagggcta ctcatccaaa 420
 gg 422

<210> 584
 <211> 210
 <212> DNA
 <213> Homo sapiens

<400> 584
 ctggaagatg tcaactgagtt tgaaatcaca ccagaaggaa gaaggattac taaattagat 60
 cagattttgc taaatggaaa taatataaca atgctgggtc ctggaggaga aggacctgaa 120
 gtgtgaatga gtttccttga cttacactag attttgtttt ggcttataat gacaagaaaa 180
 tggaaattttt tttccactt tctaatgttt 210

<210> 585
 <211> 214
 <212> DNA
 <213> Homo sapiens

<400> 585
 aaaaagctag acacagtaaa gacgtggttg ggtttctgaa ggcttataat ggaaatagtc 60
 tctagtctcc agtcaggtaa catgccgcgg tatgacactc ccataagaac cccaccccc 120
 ctgccacca cttagtgttt ttactcataa aaatgagggg aaaacttttc tacatcagac 180
 aaatcacaca gaggaaatat tcacatgcag cttt 214

<210> 586
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 586
 aaattatttc catagtctta aaaaatatgt aatgtcagaa tgcatataaa aagaatgtaa 60
 aaggaaacct aaaatacaaa tgggaataatg taacaaataa atatttgatt tcagtaactg 120
 ttaataatca gctcaacacc accattctct ctaaaactcaa ttttaattctt ataggaataa 180
 tgaactgtca aatgccatgg cataattatt tatttccaag ctatcatcaa tgattagaac 240
 taaaaaaatt ttggcataaa aaaatcacaa ttcagcataa ataaagctat ttttagcttc 300

09520300 "03101

aacactagct agcatctcta agaattgttg aaataagtac tataaccttg aaaatthttcg 360
 acctggtgtc tagtggttaag tgaaagtaat gcatthtttt taagtgaata gcttcttaca 420
 ttatttcaca gacagtatta cccacccac attatgaata gttagatata ttttatgtac 480
 tttataccca catgtatgac gcatgacatt tggttcctgt agtacagatc acaatgttgt 540
 tttcctgaat gggaaaaact taaaaaaaaa aaaaaaaagg gaagtgtacc tgtgcacatt 600
 tcaagatagc agcactcagt ccatgcccta ttatccatct taaa 644

<210> 587
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 587
 ctggcaagtc cacaagccct gctggggccc tgcttgttgg cctgacctt cctcaccag 60
 gcagccagcc aaggtggttc ctgcttcacc cactcagtca tcagcctcag gctgccccaa 120
 atgcctctga caccagattt atatcttctg ggcggcttct tt 162

<210> 588
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 588
 ccagggtgcc acaaaccacaa agcaaagttt caaaataata taaaatttaa aaagttttgt 60
 acataagcta ttcaagattt ctccagcact gactgatata aagcacaatt gagatggcac 120
 ttctagagac agcagcttca aaccagaaa aggggtgatga gatgagttt acatggctaa 180
 atcagtggca aaaacacagt cttctttctt tctttctttc aaggaggcag gaaagcaatt 240
 aagtggtcac ctcaacataa gggggacatg atccattctg taagcagttg tgagggggta 300
 gagatgggac aaaatthttg tctcagaggt cttaccatct taatttggtg acttctaattg 360
 aaaaaataaa aaaatagaaa taacattatc caaagatatc ttaaagctga aaacttgaac 420
 agcacatttt ttgttttt 438

<210> 589
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 589
 ctgttgcagc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
 ggthttttgcg ctatctcagc agacctcact tgccccatgg ccttcatggc gcgctccagg 120
 cctcagaccc ttctctgtgt tccgtcctgg 150

<210> 590
 <211> 99
 <212> DNA
 <213> Homo sapiens

<400> 590
 aaagaaatat aacgtagaat accaagaata tttgcaaagc aaaaacaaat ataaagctga 60
 aattctcaaa aaattggagc atcagagatt gatagaggc 99

<210> 591
 <211> 363
 <212> DNA

09920300-073101

<213> Homo sapiens

<220>

<221> misc_feature

<222> 257, 294, 306, 352, 354, 359

<223> n = A,T,C or G

<400> 591

```
cctggccgcc aggcagaatg acaccccaag ccaggcggtc gaggggctgg ggcagctctc 60
ctaaaatgac cctctgccaa tgacaccaca ccctcagtc cttcacacag aacgcggtaa 120
tttctgtaac ttgtttcctt accccccaga agcagcaatc accccatcag caaagttgcc 180
ggcaggcaga gctcccaatt tgggctttcg gtgtgcagcg ctccgtgtct aaccagcaca 240
gggactgtcg gtacctnctg gggacgggga caggacagcg ccctcatgtc cttncaccaa 300
atcttncaaa ggcccccggg aaaaagccgt caatccggga acagccacct tntngcctnc 360
tgg 363
```

<210> 592

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 375

<223> n = A,T,C or G

<400> 592

```
ctgggttcacc acacggcggt ctacctcatg tttgatggag cgggcgccat agtgcacatt 60
gtagccgtcg accagcacat ctgccacctc gcgggtccag agcagcggtga tgttgtgcct 120
ttgcttggt ctcttggtcc agaagtttag ttccttggtg acgagttgga tgagctccga 180
gtggcagaag ggggaggaag tagacgatct cattgatccg tcccagaaac tcatccctcc 240
ggaagtgagc tttcaggata gggcgaatca cattctcctt gaagttcttt gagatgggtga 300
tcttgtcact tatctggaca tccccaggt tttcggaat acggttacgg tcatctccaa 360
agcttctgc ctcan 375
```

<210> 593

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 196

<223> n = A,T,C or G

<400> 593

```
cctcgctgtg tgagcgccga gcaactccagg tattttacag caccaatctc cttagccatg 60
gctagaccct gcggataggt gatgggagtc agcttcttct ccttcagttt ctcgatcgtg 120
tctttatcat ccctaagatc aagtttagtt ccacttagga tgatgggagt gttgggacag 180
tgggtgccga cctcangata ccactttgca cggacatttt caaatgatgc aggactcaca 240
agggaaaagc aaattaagaa cacatctgtt tgcggatagg atagggggcg taatctgtca 300
taatcttctt gtccag 316
```

<210> 594

09920300-0340

<211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 345
 <223> n = A,T,C or G

<400> 594
 gccgagccac atcgctgaga caccatgggg aaggtgaagg tcggagtcaa cggatttggg 60
 cgtattgggc gcctgggcat cagggtgctg ttttaactctg gtaaagtgga tattgttgcc 120
 atcaatgacc ccttcattga cctcaactac atggtttaca tgttccaata tgattccacc 180
 catggcaaat tccatggcac cgtcaaggct gagaacggga agcttgtcat caatggaaat 240
 cccatcacca tcttccagga gcgagatccc tccaaaatca agtggggcga tgctggcgct 300
 gagtacgtcg tggagtccac tggcgtcttc accaccatgg agaangctgg ggctcatttg 360
 cagggggggag ccaaaaaggg tcatcatctc tgccccctct gctgatgccc ccatgttcgt 420
 catgggtgtg aaccatgaga agtatgacaa cagcctcaag atcatcagca atgcc 475

<210> 595
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 595
 ctgagtctgc ttaaaaaatc atccaaagca gaccgactct cctacagctc ggagctgtgt 60
 atcttattgc cagtaccaca acagtcctgc ccgaatatat catcagcggc ctactttctc 120
 ccttccctcc aagcctgttc ctttcccaac aatacccgctc tttgttcccc ggaatgaaga 180
 ggggcttttc ttctgtcaca tcgtattttg ataacagcga gtgcctcccc atgcaactgga 240
 atccactgtg tgtgctgtcg tgtctcctac tggcctcttc gatctcagca aaaccaaagt 300
 gctgtgctac ctaattgctt ttttcttttt tcttttccac tttctgtt 348

<210> 596
 <211> 120
 <212> DNA
 <213> Homo sapiens

<400> 596
 ggcggtggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
 tgctcagtac agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

<210> 597
 <211> 578
 <212> DNA
 <213> Homo sapiens

<400> 597
 aaacaaattg cagagaatag agaaaaaat aggttattta cagaaaacaa tatctacata 60
 tgtacttaga ggtacaaatt tggtagacaga aaagacttca gtatatgctg gcatcttaga 120
 agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
 ttcactcctc atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
 ctctacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
 ggcttttgta aagaagtcca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360

09920300 073104

```

ctctatggta acagcttcct cctctttatc gacattactt gtctgtgaca atttaatggt 420
tccattttcca agttctccac ttgcagaaaa ttctactccg tcttttgac aggaaattac 480
aacagcatct ccaatatggc tgagatctcg gcatatacgt gcaaattcac cagaaggcat 540
ctttactaca cagtgaccca cgatgcagtg catgcaca 578

```

```

<210> 598
<211> 169
<212> DNA
<213> Homo sapiens

```

```

<400> 598
ctgcttgcca gcaaagatca gtctctgctg atcaggagga attccttcct tatcctggat 60
cttgcccttt acattttcta tcgtatccga gggttcaacc tcgaggggtga tggctttccc 120
cgtaagggtt ttcacgaaaa tctgcatttt ggtggcggct ccaccgcag 169

```

```

<210> 599
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 444
<223> n = A,T,C or G

```

```

<400> 599
aaatgattta agttcatttg ttctcaacct tggggtaaac tgaggatattt tgcttcctgg 60
gaagatcttc gcaattttga gtgctcctgt ggggagcggg gatgagctaa agatacaatg 120
tttccctgcc ccgcaccgct tccacaaaat agcaatgtgg ttttgacgct ctgacttctg 180
ctcccagtaa cccatcgta gggcactcta gcaactatga ggtacccaag gctcagccag 240
tctctattta agaaaattta acaaatacga gtaaccctgt cccaatcact gaatctctag 300
ttactactct tagaaacacc tgtggcttct tggccctcct gttgcccgt ctgaatctct 360
ctgcagtcta caaaatcgcc ccagtcaact ctccacttgg aggggaattgt ccagtgtggc 420
ccctagaatt gagtcacccc ctanatacca actgtctgac cccgaggagc tctgtaagtc 480
cctgtctctc ctcttccctt tggggctggt gct 513

```

```

<210> 600
<211> 395
<212> DNA
<213> Homo sapiens

```

```

<400> 600
ccaggggtgct tttggaaaca tgtgtcgtgg aggccgaatg tttgcaccaa ccaaaacctg 60
gcgcggttgg catcgtagag tgaacacaac caaaaaacga tacgccatct gttctgccct 120
ggctgcctca gccctaccag cactggtcat gtctaaaggc catcgatttg aggaagttcc 180
tgaacttcct ttggtagttg aagataaagt tgaaggctac aagaagacca aggaagctgt 240
tttgctcctt aagaaactta aagcctggaa tgatatcaaa aaggtctatg cctctcagcg 300
aatgagagct ggcaaaggca aatgagaaa tcgtcgccgt atccagcgca ggggcccgtg 360
catcatctat aatgaggata atggtatcat caagg 395

```

```

<210> 601
<211> 309
<212> DNA
<213> Homo sapiens

```

09920300 073101

<400> 601
 tgacagttga attgacactt ttattggggc agaatggaac agtccaagaa ttagatatact 60
 gattctttct ccataaatgt tcttatagtg tgttcatcct agagttatit ttttgtttgt 120
 ttttttcctt tttggatcct gattgataac tgccatgata ttttgctttg atgtgtttct 180
 acatgtagtt gcacacgggt cagtaaaaat aatgctgcta tcgagtatgc aaatattgaa 240
 gtatgatggg ttgactgtat ggcagtgttg tagcagcctc ttgttttttt ccccatgtgc 300
 tctttttttt 309

<210> 602
 <211> 562
 <212> DNA
 <213> Homo sapiens

<400> 602
 gagaagggca ggatcagaag ggaccttggc acagcgacct catcccccaa gtggacacgg 60
 ttgacctgct aactcgcaaa gcaattgcct gccttgtact ttatgggctt ggggtgtgta 120
 gaatgatttt gcgggggagt ggggagaaaag atgaaagagg tcttatttgt attctgaatc 180
 agcaattata ttccctgtga ttatttggaa gagtgtgtag gaaagacgtt tttccagttc 240
 aaaatgcctt atacaatcaa gaggaaaaaa aaattacaca atttcaggca agctacgttt 300
 tcctttgttt catctgcttc ctctctcacc accccatctc cctctcttcc ccagcaagat 360
 gtcaattaag cagtgtgaat tctgactgca ataggcacca gtgcccaca catacagccc 420
 caccatcatc cccctctcat ttataaaacc tcaaagtggg ttacttttct gatagttaac 480
 ccccataaat gtgcacgtac ctgtgtctta tctatatitit aacctgggag actgttgtcc 540
 tggcatggag atgacatga tg 562

<210> 603
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 340, 410, 419
 <223> n = A,T,C or G

<400> 603
 atttcctgtg ctagagtcca atatttgagt ctctcgtgca aatgagacta ttctttgtgg 60
 tacaattcca cctatcatat gtgaaaactg cagtaaaaat aaaccagat gctaaatcat 120
 tcctacaaag gtttgactga aactgtggca gatgtctcat cttctttata tgtaagcag 180
 catactcttc tgatttttat tgcaatcttt taccaagtgg tgcacaaact tggattgat 240
 gtctttattc cattttgagt ttagattgag aatattttta ttttctgaag gcagagatat 300
 ctactgtata attgcaccaa agtacatttg aaaggaagggn tttcaatagt gtaatactgc 360
 agcgatgtag ataaaatcac aaatgtataa tgtgttaggt tgaataagggn gtggaaaant 420
 gcttttctgt tagtag 436

<210> 604
 <211> 505
 <212> DNA
 <213> Homo sapiens

<400> 604
 ccttttttga cagggtggtgt gtgggtggcct tggatgtgc tttctcgtgt tacatcgcgc 60
 catcattggg atatgggttag tgtgttgggt agtaggaaaa aaaaagtatt cagcaccatt 120

09520300 "073404

```

tgctcatagg tctttcagag tttgttctta aagtttctgg aactttcctg tctgtaaagt 180
aacaggaatt actgagctac attggaaagc ctctctggga caggcagtgg ggagttaagc 240
agtcatacata aaggaatcag tgtacattca gcatgggtgac ttgactacac aacaatccct 300
tcccctctac tgtagctcaa gagagacatg cttctaacca ctgaggtatg aggagtctca 360
gactgttatt tgctgttaga attgggtcttc ccagctaata acagtacatc tctggcacag 420
atgctattgg tccttaaatgt cctgtgattt taggaaatag tttggattta gttcaattta 480
ttcagaaacc aaacgtgttt aatta 505

```

```

<210> 605
<211> 417
<212> DNA
<213> Homo sapiens

```

```

<400> 605
aaaagggtgac tagacatact tggaagttca aagcagtagg atgtagcttg cagggaaaag 60
aaaacccttt tccatgttgt taggcagaag tatatcaa atatcccaat tccacttgat 120
aaagtcagtt ggatgacctc cttgaaccaa tctagggcag aacacttagt aaaagcgggc 180
cctgggtggg atgtgaatcc aggagaagag gggcaccaga tcccatgcag cgccaaacac 240
atccattcca cctctaaca catacgaggc atgtcacccc atgtccctgg acacaagatc 300
cacaagaaca gtcagcagat ggtcactgct cccacggcct ggtgctttct aatggtctta 360
attcaggcca tggagaaaat cctttaccac caaacacaaa ctgtcattga acttcag 417

```

```

<210> 606
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 225, 258
<223> n = A,T,C or G

```

```

<400> 606
ctgactgttg agagagcagc acatcatttt atcattttat cttcttttga ctacagggtgg 60
ggtgggaggg atttgggttg gtggattaac agatggaatt gaggagagag taggatgctg 120
attttcttac ccgtggccca ggtctgtgcc ttccccatgc caaggactct aggtcaaatg 180
tcaataaata tgaacctcga gaaagttctg aaggccatga aatanaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaagctn 258

```

```

<210> 607
<211> 92
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 76, 78, 83, 85, 87
<223> n = A,T,C or G

```

```

<400> 607
aaataaaagt ccagctataa ggaagcagtc tgtgcagtgt gtgggtgagt ggatgggaac 60
gtgtgtgtgt ggtgtntntg gtntntntgt gt 92

```

```

<210> 608

```

059920300-073401

<211> 489
 <212> DNA
 <213> Homo sapiens

<400> 608
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagtgc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcccaggt aactgggact acaggtgcgc gccaccaagc 360
 ccagctcatt tttgtatttt tagtagagat ggggtttcac gatgttggct aggatggctc 420
 cgatctctgg tcagagtctt ttctgtaaat atccttggtg aagaagcaat tttagactgt 480
 agctgttgc 489

<210> 609
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 609
 cctcgggtgt tggagggcaa aggtgacagc atcatggaca gaggcaaaga gatgcttctt 60
 ggtgatggat gcatcgaaga agtgcccagc ctcaagctgg ctgaccacag ggctgtggca 120
 ggccgcatatg tacacctcca cctcaatctc ccggaagtca tggaaaatat tcttcaggct 180
 cttgaggcac acagtgtcca caaaggagag ggcacccagg tccaggatga ggctgtggaa 240
 gtctggctga ggcaggccca gggccttcag tgtggaccca tctggggcct tggagtcttc 300
 ttgaccattg gctgttgcac cttccatctt atctcctgag ctccaccatca tcttgcaagt 360
 ctcaacgttg ttgtcctca tgtcttcaag gctg 394

<210> 610
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 610
 ctgaaaatcc atcagtgcc gcataccaat gaacctctat tcaagtgtac ccaggaagga 60
 tgtgggaaac actttgcac acccagcaag ctgaaacgac atgccaaggc ccacgagggc 120
 tatgtatgtc aaaaaggatg ttcttttggt gcaaaaacat ggacggaact tctgaaacat 180
 gtgagagaaa ccataaaga ggaaatacta tgtgaagtat gccggaaaac attt 234

<210> 611
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 56, 66, 67, 80, 124, 206, 211, 255, 257, 268, 275, 297,
 332, 348, 362, 370, 377
 <223> n = A,T,C or G

<400> 611
 cttttttttt tttttttttt tttttttnga aaagtcattg aggccatggg gttggnttga 60
 aaccannttt ggggggttcn attccttctt tttttgtcta aattttatgt atacgggttc 120

09920300 073101

ttcnaatgtg tggtaggggtg gggggcatcc atatatgtcac tccagggttta tggaggggttc 180
 ttctactatt aggacttttc gcttcnaagc naaggcttct caaatcatga aaattattaa 240
 tattactgct gttananaaa tgaatgancc tacanatgat aggatgtttc atgtggngta 300
 tgcacgggg tagtccgagt aacgtcgggg cnttccggat aggccganaa gtgttggtgg 360
 anaaagttaa atttacnccg atgaatatga tagtgaaatg gattttggcg taggt 415

<210> 612
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 612
 ccactttact aaacatgaaa atgttgcccta tatgttgctc cacagtgatg gatctgcggt 60
 tcttcatcat cacaatggca ctgagaaaca tcaggatctc cacttctctt cagtcaaagt 120
 cacacgggtt accgtcttcg cgttgggtgg gcagaccgtg gcagagcggc ggcagtttcc 180
 tcacgagtag gaaggcagca gagagcaggg ccgacagaag gtagtaagg tgggcgagcc 240
 atcgtgaaag tcgcggcacc gaatacacga gagcaattag aggtgccaag accgccatct 300
 tttcggc 307

<210> 613
 <211> 303
 <212> DNA
 <213> Homo sapiens

<400> 613
 ctgcctcccg gcagtcacagg aaaactgcaa aaaatgggaa gtaaggctct ggcaggcaga 60
 cccggcatgt agccgctggc catcttgaat cctagggcat gaagttgccc caaagttcag 120
 cacttggtcta agcctgatgc ctctgggtta tcacaaagaa taggatggga taaagaaagt 180
 ggacacttaa ataagctata aattatatgg tccttgtcta gcaggagaca actgcacagg 240
 tatactacca gcgtttggat attgatatat acatggcaaa tctgaatatt gttttatgag 300
 agg 303

<210> 614
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 614
 cctccagcca ggagtgcac aacgtgcttc tgcagtacgg ctgccccgac gagtgcgtgt 60
 agtatctgtt ttatttgact gcagtctcct tggtgcaaaa acaaaatggg aaaaataagg 120
 ataactcaga atttcaaaag gaaatcacia attcagctag taatagcatt ttcagtactt 180
 ttcgtaaact aagtaaatac acaaaatggt gatttttctg accataagac atattttatg 240
 tccttttgcc aaggtggatg tgttagtctc aggccctcct gg 282

<210> 615
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 615
 ccacaacctt caggcacttg gcctgatgcc ccgccctggg gctctcccca ggctccctcc 60
 tcagcctcct gccacccag ggccctttac tctcttctcc ctccagacct tctctgacc 120
 cttgctgaac tggggtccct ttgtgagtgt ctacgtctag aggtacctcc ctccctgggg 180
 ggtctcagct cctggagtgc caggcccttg gggccctct gtgagatctc aatgctgtct 240


```

ggggacccta agagttttct cacctgttca gtctcatcta accttccaat gtctgatgtt 300
cctgccaaat tcctgcctga ttctgggtcc gtccctgacct ccaaagggtca gcttgggtgct 360
tgagggtctcc ctgctcttgg tggcagtggt agcagcaaca gcagcagcag cagcagcagc 420
agcagcagag acctctccac ttctcccttaa cccctctgct gggtagag 468

```

```

<210> 616
<211> 319
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 315
<223> n = A,T,C or G

```

```

<400> 616
ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtaggcg 60
aaggcaatat cctgtctctg tgcatgtctg cggttgggtca aaatgttgac aatggtgacc 120
tcatccacac ctttgggtctt gatggctgtt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtat aggctttgac agaccatat gcacttgggg gtgtagagtg atcacccctcc 240
aagctgagct tgcacaggat ttctgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct ganancgtc 319

```

```

<210> 617
<211> 406
<212> DNA
<213> Homo sapiens

```

```

<400> 617
cctgcaccag ctcttgggtg gtaaacactc tatagagctc ctctgggtgac gtcaggaagg 60
tttcccttaag agtgatctta caagtgggga ttttgactcc aacagggtctg gcctgggttt 120
ttgaaggagc aggccttagcc ttgcgctcct cagttttcag tgctggctgc cccactgggt 180
ctactgactc tccattcatt gtaggtaaga tcatgcctg ggtgaactct gttttgaggg 240
tgctgatgta aattcccatt gcttctctta gaagtttcac cccctcttcc ttcattaaagg 300
ccacgagatt tgtgtcaggc tcatctttgg caaggctcac actaatctcc acttcatcca 360
cgctgttttc atcagacaaa ttggggatct ccacatgtcc tttgta 406

```

```

<210> 618
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<400> 618
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcatttct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcatltgtg atgcaaactc gagcgttctc aacttgggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
cacccaagat tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctg 485

```

```

<210> 619

```

<211> 386
 <212> DNA
 <213> Homo sapiens

<400> 619
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataattattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccatatt aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaa 386

<210> 620
 <211> 445
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 620
 aaatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta ncctctttgc 360
 ttcttcactt tctctctcat catcagatcc aaagaggtca atgtcatcat catctttact 420
 atctgtagct ccacttctctg tagtg 445

<210> 621
 <211> 362
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 300, 308
 <223> n = A,T,C or G

<400> 621
 cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
 ttttgctggc tataagcggg gtctccggaa ccaaagggag cacacagctc ttcttaaaat 120
 tgaaggtggt tacgcccag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
 atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcac 240
 ctggggaaaa gtaactcggg cccatggaaa cagtggcatg gttcgtgcca aattccgaan 300
 caatcttct gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360
 tt 362

<210> 622
 <211> 352

0920300-073101

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 20, 86, 141, 218, 242, 296, 301, 321, 337
<223> n = A,T,C or G

<400> 622
cctgctgga acgggacttn ctaaaaggaa ctatgtctgg aaggctgtgg tccaaggcca 60
tttttgctgg ctataagcgg ggtctncggg accaaaggga gcacacagct cttcttaaaa 120
ttgaagggtgt ttacgcccga natgaaacag aattctatit gggcaagaga tgcgcttatg 180
tatataaagc aaagaacaac acagtcactc ctggcggnaa accaaacaaa accagagtca 240
tntggggaaa agtaactcgg gcccatggaa acagtggcat ggttcgtgcc aaattncgaa 300
ncaatcttcc tgctaaggcc nttggacaca gaatccnagt gatgctgtac cc 352

<210> 623
<211> 377
<212> DNA
<213> Homo sapiens

<400> 623
ccaaatgtgt tacttgtgca ccaaagagtt ttttaaaaag agatttgcct acgggtgagc 60
actgaagtat acattgtgcc aatgtaatta ttgtcttggg gaccttctag aacttgctaa 120
atcatatagc aagaagagaa tgagttcagg ccagtaaat ctggtgagtt aatttacatc 180
tgtgatactg ccgtttttcc cattaaatgt ggttatggca aagcattctt agggtataaa 240
ataaataaat aaacttttga caatgccttt acttgtgccc tatatacaga actattccat 300
agaattttcc aggatttcaa gatactacac aaagaaaaaa actgtaaagc aatttggtcc 360
tttccaaatt tcagcag 377

<210> 624
<211> 260
<212> DNA
<213> Homo sapiens

<400> 624
ctcgtcgtg cagcgacaca cgccctcgcc gccgccatga ctgagcagat gacccttcgt 60
ggcaccctca agggccacaa cggtgggta acccagatcg ctactacccc acagttcccc 120
gacatgatcc tctccgcctc tcgagataag accatcatca tgtggaaact gaccagggat 180
gagaccaact atggaattcc acagcgtgct ctgcggggtc actcccactt tgtagtgat 240
gtggttatct cctcagatgg 260

<210> 625
<211> 441
<212> DNA
<213> Homo sapiens

<400> 625
ccactgcaga tggaaacctc tcagtgtctt gacatcaccc taccagggcg gtgggtctcc 60
accacagcca ctttgagtct gtggtccctg gaggggtggct tctcctgact ggcaggatga 120
ccttagccaa gatattcctc tgttccctct gctgagataa agaattccct taacatgata 180
taatccaccc atgcaaatag ctactggccc agctaccatt taccatttgc ctacagaatt 240
tcattcagtc tacactttgg cattctctct ggcatggag tgtggctggg ctgaccgcaa 300
aagggtgctt acacactgcc cccaccctca gccgttgccc catcagaggc tgcctcctcc 360

09920300.03404

ttctgattac ccccatgtt gcatatcagg gtgctcaagg attggagagg agacaaaacc 420
aggagcagca cagtggggac a 441

<210> 626
<211> 476
<212> DNA
<213> Homo sapiens

<400> 626
ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60
cctgggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc ttaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccactctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccgga gaggtggaga ttgcagtgag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaac 476

<210> 627
<211> 607
<212> DNA
<213> Homo sapiens

<400> 627
ccagaagata acattccatg gtgaaggaga ccaagaacca ggactggagc caggcgatat 60
tatcattgtg ttagatcaga aggaccgtgc tgtttttact cgacgaggag aagacctttt 120
catgtgtatg gacatacagc tcgttgaagc actgtgtggc ttccagaagc caatatctac 180
tottgacaac cgaaccatcg tcatcacctc tcatccaggt cagattgtca agcatggaga 240
tatcaagtgt gtactaaatg aaggcatgcc aatttatcgt agaccatatg aaaagggtcg 300
octaatcadc gaatttaagg taaactttcc tgagaatggc tttctctctc ctgataaact 360
gtctttgctg gaaaaactcc tacccgagag gaaggaagtg gaagagactg atgagatgga 420
ccaagttaga ctggtggact ttgatccaaa tcaggaaaga cggcgccact acaatggaga 480
agcatatgag gatgatgaac atcatcccag aggtggtgtt cagtgtcaga cctcttaatg 540
ggccagtga taacactcac tgctggcatt taatgtgcag tagtgaatga gtgaaggact 600
gtaatca 607

<210> 628
<211> 278
<212> DNA
<213> Homo sapiens

<400> 628
cctccgggta gaaggtgtgc atgtctccac cagtgtcatg tggcacctgc agatggcttc 60
tcgtggcac ctgtcatgct ctgcagacgt gcctggaaaa gaagcttatg ttgccttaag 120
gtcatctttc tcctttgagg gagagtacag aagtcgtggc gacaccaca gccaaagccag 180
gatcgttatc tacgcgtgag catgcagagc gggcgtgaga tattcccgtc gaatcaagct 240
aaaaataacg catccaagct gccgagttat gaaagcag 278

<210> 629
<211> 329
<212> DNA
<213> Homo sapiens

<400> 629

ctgacagaga caccagcact cgctggaaca tgaacgatgt gtcagagcga atgtcatctt 60
 caaggctccg tccatattgc tgctggtagg tttggcttat gcgccggatc tcctcagggg 120
 tccgggaggg caggatctca attaggcagc cctcatcagt gccggctccc ttcattggccc 180
 ttgcagctc ttgcacgtca tacagcaccg tgggcgtcat catccccaca atcacctgct 240
 cgaagttgcc actcagttct gacttcagggt cgtctatcaa gtccctgccg atggtgctct 300
 tgtaggctgt cctgatctcc tggcgctgg 329

<210> 630
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 630
 gcacggagat ctgcgccggt ttacgttcac ctcggtgtct gcagcaccct ccgcttcctc 60
 tcctaggcga cgagacccag tggctagaag ttcaccatgt ctattctcaa gatccatgcc 120
 agggagatct ttgactctcg cgggaatccc actgttgagg ttgatctctt cacctcaaaa 180
 ggtctcttca gagctgctgt gccagtggt gcttcaactg gtatctatga ggccctagag 240
 ctccgggaca atgataagac tcgctatatg gggaagggtg tctcaaaggc tgttgagcac 300
 atcaataaaa ctattgcgcc tgccctgggt agcaagaaac tgaacgtcac agaacaagag 360
 aagattgaca aactgatgat cgagatggat ggaacagaaa ataaatctaa gtttggtgag 420
 aacgccattc tgggggtgtc ccttgccgtc tgcaaagctg gtgcc 465

<210> 631
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 631
 ctggctaaac agatgattgg gtacaatcta gcgacaaaac aaactccaaa agaagggtgtg 60
 aaagttaaca aggtgatggt tgctgaagcc ttggatatit ccagagaaac ctacctggca 120
 attctgatgg accggtcctg caatggcccc gtgctggtgg gcagccccta ggggggcgtc 180
 gacattgaag aggtggctgc ttcaaaccog gagctcattt ttaaggagca aattgacatt 240
 tttgaaggaa taaaggacag ccaagctcag cggatggccg aaaatctagg cttcgttggg 300
 cctttgaaaa gccaggctgc agatcaaatt acgaagctgt ataatctctt cctgaaaatt 360
 gatgctactc aggtggaagt gaatcccttt ggtgaaactc cagaaggaca agttgtctgt 420
 tttgatgcca agataaactt tgatgacaac gcagaattcc gacaaaaaga catatttgct 480
 atggacgaca aatcagagaa tgagccatt gaaaatgaag ctgccaaata tgatctaaaa 540
 tacataggac tagatgg 557

<210> 632
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 632
 ccttggtgat gaggcccctc acagcttgtg caatggcatc cctgtcgata ccaaacatct 60
 tcagcagctc agccggcttc ccacttcttg gtacccggtt aactgccagg tgggtgacag 120
 tgatgccagg ctgcgccact actgcactgg acacagcctc accaatgcca cttcataat 180
 aatggtcctc cacggtgagg atcctgccct tggtaggcag agcgtgtcg agaagagtt 240
 ttctgtccag gggcttgatg gtgaaggggt ccagcacgcg gatgttgatc ctttctttct 300
 tcagcagttc ggcagcggcc aagg 324

<210> 633
 <211> 534

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 528
<223> n = A,T,C or G

<400> 633
ctggttagagt atttagagtc ctgagataac aaggaatcca ggcatccttt agacagtctt 60
ctggttgctt ttcttcccaa tcagagattt gtggatgtgt ggaatgacac caccaccagc 120
aatgttagcc ttgatgagag aatccaattc ttcattctca cgaatagcaa gttgcaagtg 180
acgaggggta atacgcttta cctttaagtc ttttgatgca tttcctgcca gttcaagtac 240
ctctgcggtg aggtactcca ggatggctgc gctgtacaca gcggcagtcg cgcccacacg 300
tccatgactg gtcgtcctag attttaggtg tcgatgaata cgcccactg ggaactgcaa 360
gccggctctc tgcgagcggg aaaccgcctt tgtcttggcc ttcccgagc cctttccagc 420
cttaccgcca gccatttcga attccgctga agctcaagca agcaaggcag agaaaaggct 480
aatcggaccc acggtgagat cccaccacct actccttcgt cgaccgnga cctg 534

<210> 634
<211> 500
<212> DNA
<213> Homo sapiens

<400> 634
ctgactgggt cctttaccaa ggtttgcaga gtaggttgtg tttgaacacc ttctgtgggt 60
ctgtgtcatt tccaagttga agaatttcag ccaaagagca acatgtcaca ttgattaaag 120
atggttaatg acacagaaac atttctgtta atactaaggg aaaaggctgt tcttttattt 180
atttattttt cctgagtcct cacttttttc ttctctgaca aatgtttgaa attcagtga 240
ataccaagg agtcaaggat gaaggggaca caggatggaa tcagaaaaaa cataaatgga 300
atccaggcag ttctatgaga caacactgat atatctcctt gataaagaaa aaatgtacag 360
aatatttaat gagtctgtct tgcccaaaaa gggaaaaaca caagtagcta agccatttgc 420
agagaggaaa aatgtcatgg aaaaatgaaa aatctctcta atgtctatag cacatgaaat 480
atctaagtag gtgggtgcag 500

<210> 635
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499, 518, 527
<223> n = A,T,C or G

<400> 635
aaaatcttat tcaaaatatt aaataatagt ttcagatatg aaaaaattac tgcaataaaa 60
cggttcaggg gtatttccat tgcgcttccc ttcctatta ggaaagtaca ctgtccgccc 120
aagagacagg atggacggcc ttcttccagc tctacataaa gcgcaagccc actgggtcac 180
ccgggtcctg cttaacatat attagggtcta tgttttctaa aaagctgtag tgacacttgt 240
aagtcaacca tgggttcaaat cacatattta catattgata aattctttat gatagaaaga 300
cagacataaa tgaatcccat agtaataact ttccagttgc cataaaaaaac aaaaacaaag 360
aaaacaagtg tgggggaaaa aaggtaattg tacacaaata tcctttatgt atacaaaca 420
cttcattcag gtataatttt aatttgaaag acctaggtac agtattattt aagtgataat 480

gacccctaag atttattcna atttactgta aaataatnaa cgaagtnaac gaatctgata 540
taatttt 547

<210> 636
<211> 185
<212> DNA
<213> Homo sapiens

<400> 636
gtcgaagcga ggacgtggtg ggtcctctgg tgcgaaattc cggatttcct tgggtcttcc 60
ggtaggagct gtaatcaatt gtgccgacaa cacaggagcc aaaaacctgt atatcatctc 120
cgtgaagggg atcaagggac ggctgaacag acttcccgtc gctgggtgtg gtgacatggt 180
gatgg 185

<210> 637
<211> 215
<212> DNA
<213> Homo sapiens

<400> 637
ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaagggag gagtttctca 60
aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tgggggtcccc tgtgggtccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttgcg tcaccataaa aaaccgcgcc gccgc 215

<210> 638
<211> 350
<212> DNA
<213> Homo sapiens

<400> 638
aaaaaagaaa agacagtga cagaaactgc tacctaagga ttctagaggc aatgagacac 60
agagtcctgt ttttcaggac agaccgtatt gcccaagcct ctagcattta cggagcataa 120
attaagaatc ttgttttgcc ttgagtctca ccatgaaata atgacacggg agccacattt 180
gctgagggcc taatatgtac caggcattgt gctaagtagt ttcatatcca tgtctcattt 240
attccgaact tttttcctca gggagagaaa aatcaattac agtcttggtc ataggaaaaa 300
ccaaacttac aattttggga aagcaagaac atgtacagta gaggaggagg 350

<210> 639
<211> 328
<212> DNA
<213> Homo sapiens

<400> 639
aaagctttga aaagctacta cttttacttc taatacatcc agatgaacac gatgtagcaa 60
tatcagcttg tattccagag aaatctcatt agtttttctg gtgatggaac cacttatcca 120
cgtctgttgg tactgtgcag gcagattcac aggggtggtg taaagcatcc acaatggctc 180
tggcagcatc aggatcacac ttgaaggggc tctcagacaa agttgtattc atgcaactga 240
ttccttttcc attcgttttc ttagtcacta atgctttcca atggtcatga gtgcttttaa 300
taatataaat ggcaaagtcc ttatcttt 328

<210> 640
<211> 453
<212> DNA

09920300-073101

<213> Homo sapiens

<400> 640

```
ccacaggtgc ctgactagga gccoctaggt ccccaggctt gagaaagggg taaaatagaa 60
cctccaggta gttttcttcc tctacctcca catcccccca agactgaaaa gagtcaactaa 120
ctctcttttc ccaagccttt tataaaactg caggaacact gtggagatgg ttctatctg 180
gggtcctttt ggggacatat gcctcagtca gtcattcagt gattgatcca aaattattta 240
ctgagtgcct acctactctg cgccaggctc tctagcctct cactactgag ttagggtgca 300
ggcagaggct ggggcagaat gtttacagcc agtgccagca caaggtagta atctagtga 360
agagaacagg gtgttatggg gagcatatga gaggccatct atcccagcct gggtgatcct 420
ggagagtttc ccagggttgt gatatgtggc agg 453
```

<210> 641

<211> 485

<212> DNA

<213> Homo sapiens

<400> 641

```
cctgctgggc ttggcaacga gggactcggc ctcgaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaggaga gcaagcaca agtcatcatg 120
gcttcagcgt ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtttc tggagagag ctctgccttt ttctcttgta 300
agcatgcttg tcaccaggg actagtctac caaggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagtgc acttgctggg ctcttgggat ttggccttg aaaggtatca 420
tacataggag tatgccagag taaattccat tttttgaag atcagctccg tggggctggg 480
tttgg 485
```

<210> 642

<211> 276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 13, 16, 17, 267, 270

<223> n = A,T,C or G

<400> 642

```
ncatgctacg canagnnaga tggcgcccg gtaatggctg ggaaagtgga gatgacattg 60
gaaatcctca acgagaagga ggccgacgag aggccagccg ggaaggggcg ggacgaaccc 120
aacatgaacc ccaagctgga cttaccaa atcgaccagaaa cctccttct ctgggttcacc 180
aaccatgca agaccatgaa gttcatcgtg tggcgccgct ttaagtgggt catcatcggc 240
ttgctgttcc tgcttatcct gctgctnttn gtggcc 276
```

<210> 643

<211> 305

<212> DNA

<213> Homo sapiens

<400> 643

```
cctgctagaa tcaactgccg tgtgctttcg tggaaatgac agttccttgt ttttttgg 60
tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120
acaaagaaat gaacagttgt agggagaccc agcagcacct ttctccaca caccttcatt 180
```

09960300-073104

ttgaagttcg ggTTTTgtg ttaagttaat ctgtacattc tgTTtgccat tgTTacttgt 240
actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300
acttt 305

<210> 644
<211> 517
<212> DNA
<213> Homo sapiens

<400> 644
aaaagtattt tctctacaga gaatcttata agctatacaa aaatctgtac agTTTTtata 60
ctgaagctag tattgagctg cacttgaatt cacattctta gcaaaataat tgccTgagca 120
cacacacaca ttccacacgc atcattaaag gatagccatt tattcttcat cttcatcctc 180
ttcctcctca tcttcatctt cttcttcctc ctctcctcc tcatcttctg gttcgttctt 240
cttctttgag cctgttggcc tgccagggcc cttctttcct gcttcacttt tgcccttggc 300
acgatatgca gcaatatcct ttcatattt ctcttttagc ttagctgctt tctgttcata 360
tggttgTTta tctttggctg actgttcaga ccacatttca cccaatttct ttgcagtatc 420
cccaatggat aggccagggt gttcactttt gatctttggg cgatgttcag agcaaaacag 480
gaagaaggca gatggtggcc ttttaggagc attgggg 517

<210> 645
<211> 484
<212> DNA
<213> Homo sapiens

<400> 645
ctgtatggag cctacctccg catccacgcg cacttcactg ggctcagata cctgctatac 60
aacttcccga tgacctgcgc cttcataggt gttgccagca acttcacctt cctcagcgtc 120
atcgtgctct tcagctacat gcagtgggtg tgggggggca tctggccccg acaccgcttc 180
tctttgcagg tcgaaagggg caaggacccc cttttgtccc tttgatcttt gtgggtggtc 240
aggggtatgt tggggattaa ggcattgaggg tcttgattgt tagtgaggga agtcagtcct 300
ggctgctcag tagtttttcc tccacagggt aacatccaaa aaagagacaa ttcccggag 360
gaagtccaac gaaggatctc tgctcatcag ccagggcctg aaggccagga ggagtcaact 420
ccgcaatcag atgttacaga ggatggtgag agcccctgaa gatccctcag ggacagaggg 480
tcag 484

<210> 646
<211> 325
<212> DNA
<213> Homo sapiens

<400> 646
aaaaaaataa taaggtctca tggcttcatt cagagaccac agtaacaaca gcagcccacc 60
aatcagagaa gctggttgtt attaaccaag ctacagattc acactttctg gcctaaaccc 120
taatgggatg aggtttttea cccagggcca tgctggtggt gatttttttag ccctaaata 180
aaacactgga ctatttcctg tttacttcat tgattgcaac tacaaggtg gactcaaagc 240
aaagcacaat catgccagcc aacattccag aattctgctg agaactccaa gtctgtgagg 300
ggagaggttt tacaagccag acagg 325

<210> 647
<211> 566
<212> DNA
<213> Homo sapiens

05920300-03101

<220>
 <221> misc_feature
 <222> 535
 <223> n = A,T,C or G

<400> 647
 ctgttttccca tggggccacca ggcgggtcag gacagcaaac gtctcatccc ctctcaggat 60
 gtactttctcc atgtcctgct cgatccactg gtacatgagg cccttcacat gcacgtctcg 120
 gatggcgctcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggcccag 180
 aaagtagtcc accacacagg acggcagagc catctccggt agcgagaaga tgtccatgaa 240
 ctgcttaatg gagggaccct tgccatagaa gccactcatc tggatatagt ggatgtgctg 300
 ggtacccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc ccctgtaggc 360
 tgtccccaga cctgcccggg cagggtctgtt tttttctggc agatctgatg ctgatttgat 420
 gctgtatgat cttttttttt tttttagtta aattcattta gtgaatgttc tattatttta 480
 tacatacaca ttaagtactc agctaagtaa tggcactatg aggatttttt tttntttcc 540
 tgtcagcagc agttctgtga atgcat 566

<210> 648
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 648
 ctgatcagcc tatatgaaga aagaaaaggt tatcattcag tccacgacat gtttggttga 60
 tttcaacata ggttttccag ttatactttt aatattgtga tctttcaaaa atcaatctta 120
 aaatcctttg aaacctgtag cacggtcatt taatgaaagt aaatagaata aagaaaactc 180
 cttatgctat ttttaacaaag gattacaagg aagtgacaac atctgctcac ttcaagtttt 240
 cttttctggg cccatggctt acagcttgct ctgcgatcta actaggctaa gticcatcatg 300
 tgaaaaatgg cacctctagt ggcagaaggc cccttggcac cag 343

<210> 649
 <211> 377
 <212> DNA
 <213> Homo sapiens

<400> 649
 ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
 gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
 ctgttcatgt acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
 aagagcaaaa gcaaatgttg ggtgaacggc tgtttctctt tattcaagcc atgcacccta 240
 ctcttgctgg taaaatcact ggcattgttg tggagattga taattcaaac ttcttcatat 300
 gctcgagtct ccagagtcac tccgttctaa ggttgatgaa gctgtagctg tactacaagc 360
 ccaccaagct aaagagg 377

<210> 650
 <211> 469
 <212> DNA
 <213> Homo sapiens

<400> 650
 ccaagctgca ggggatttgg gggatgtggg acctccaatt cccagccccg gcttcagctc 60
 tttcccagggt gttgactcca gctccagctt cagctccagc tccaggctcg gctccagctc 120
 cagccgcagc ttaggcagcg gaggttctgt gtcccagttg ttttccaatt tcacgggctc 180
 cgtggatgac cgtgggacct gccagtgtc tgtttccctg ccagacacca cctttcccg 240

09520300 "03101

<212> DNA
<213> Homo sapiens

<400> 654
cacgagcaca cagcacacaa acgcacagca cacacgcaca cacagcacac acacgagcac 60
acagcacaca aacgcacagc acacgcacac acatgcacac acagcacact agcacacagc 120
acacacacaa agacacagca cacacatgca cacacagcac acacacgcga acacagcaca 180
cacgaacatg cacacacagc acacacacat aaaatgtgat acatatatat acacacacac 240
acaaaatgtg atatatatat atgtgtatac acacacacac acacacacac acacacacac 300
acacacacac catggaatac tactcagcca taaaaaggaa tgaaataatg gcattcacag 360
caacttggat ggaattgaag actattattc caagtgaagt aactcaggag tggaaagcca 420
aacattgtat gttctcaccg gtatatggga accaagctat gaggatg 467

<210> 655
<211> 286
<212> DNA
<213> Homo sapiens

<400> 655
aaaacttttg ttaagaaaaa ctgccagttt gtgcttttga aatgtctgtt ttgacatcat 60
agtctagtaa aattttgaca gtgcatatgt actgttacta aaagctttat atgaaattat 120
taatgtgaag tttttcattt ataattcaag gaaggatttc ctgaaaacat ttcaagggat 180
ttatgtctac atatttgtgt gtgtgtgtgt atatatatgt aatatgcata cacagatgca 240
tatgtgtata tataatgaaa tttatgctgc tggatatttg catttt 286

<210> 656
<211> 304
<212> DNA
<213> Homo sapiens

<400> 656
aaaaaagtgt cctagccatg aagccctgct actgatattag acaaggtatt atggtcatta 60
ctttgtaccc ctatccttcc aagcacttct ggtacttcag tcgtttttac tgatccacca 120
acacctaaag aggctatgct acagtctcta gctaaatgga agacacattc atccttctcc 180
ctctgactgc tttgatcatc atttattgca tctcataact aattttctaa agtttggatt 240
gggacttttc aggtcctttt tggaggggcaa aggaagtgcc agcttctctg gggaacttgt 300
tttt 304

<210> 657
<211> 141
<212> DNA
<213> Homo sapiens

<400> 657
atgatatgaa aaaccatcgt tggctcgtgg tgtagtcctg gcgagaataa tgatgtatgc 60
tttgtttctg ttgagtgtgg gtttagtaat ggggtttgtg ggggtttctt ctaagccttc 120
tcctatttat gggggttttag t 141

<210> 658
<211> 430
<212> DNA
<213> Homo sapiens

<220>

0990300-03404

<221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 658
 ctgatgaccc aggactgcmc tctgccccat cacagccagc atgactgctt ctctgagaga 60
 acttgcccat caggggctgg gacatggggg tgtgggtaaa gacagggatg aaggatagag 120
 gctgagagaa gaaggaagaa tcagcccagc aggtatgggc atctgggaaa cctccagcct 180
 caagtgtgtt ggtaacatga aaaagctctg gggggtagtt ggatctgggt gtctgggtcca 240
 ttgctggcag tggacattat tcttgcccta agagacactg ccttttcagc agcagatact 300
 ggtgagatgg ggggtggctca ggctgttctt cctcctccta gaatgtctgg agctgtttct 360
 acattcagat actggtcccc tatcacaagg ctactggctn ataggaattc cctcctggtg 420
 ccaccactgg 430

<210> 659
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 659
 ctggatctgg gattattgtt tcaactaccag gtttccagcc agcagggcag acttctccgt 60
 gtttgtcagt gtactggaat gcttgaacca aacgtagtgt ctcatccact gatctacca 120
 caggaagatc attcagagta atttgtctta ggattccttt gtcataata atgaagagac 180
 ctctaagagt gtggcctgag tcctctaggt atacaccata gtcctttgag atctgatggg 240
 tcaaactctga aagaagtgga atccttattg gcccaagtcc tccttgtctt cgaggggtat 300
 taatccaggc caaatgggta aactgtgaat caacagagca tgctaccact tcagtattta 360
 tagatctgaa ttcttcaagt ctgtcgccaa aagcgataat ttcagttgga cacacaaatg 420
 tgaaatcaag tgggtagaag aagaaaacca agtatttccc acgataatca gttaacttca 480
 gtcctttaa ttctccatcg atcacag 507

<210> 660
 <211> 447
 <212> DNA
 <213> Homo sapiens

<400> 660
 ctgccaacat gccatccaga ctgaggaaga cccggaaact taggggccac gtgagccacg 60
 gccacggccg cataggcaag caccggaagc acccggcgcg ccgcggtaat gctggtggtc 120
 tgcataacca ccgatcaac ttcgacaaat accaccagc ctactttggg aaagttggta 180
 tgaagcatta ccacttaaag aggaaccaga gcttctgccc aactgtcaac cttgacaaat 240
 tgtggacttt ggtcagtga cagacacggg tgaatgctgc taaaaacaag acgggggctg 300
 ctcccatcat tgatgtgggtg cgatcgggct actacaaagt tctgggaaag ggaaagctcc 360
 caaagcagcc tgtcatcgtg aaggccaaat tcttcagcag aagagctgag gagaagatta 420
 agagtgttgg gggggcctgt gtcctgg 447

<210> 661
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 661
 ctgatttccc gaagccacta ctcccccatc tacctgtcgt ttgtcatgct tttggtgcc 60
 ctgagctggc agtacctgac cactctctcc caggtaacag aagactatgt tcagactgga 120
 gaacactgat cccaaatttg tccatagctg aagtccacca taaagtggat ttactttttt 180

0590300-03404

tctttaagga tggatgttgt gttctcttta tttttttcct actacttta tccctaaaag 240
 aacgctgtgt ggctgggacc tttaggaaag tgaaatgcag gtgagaagaa cctaaacatg 300
 aaaggaaagg gtgcctcatc ccagcaacct gtccttgttg gtgatgatca ctgtgctgct 360
 tgcggtcat ggagagcat tcagtgccac ggtttaggtg aagtcgctgc atatgtgact 420
 gtcatgagat cctacttagt atgatcctgg ctagaatgat aattaaaagt a 471

<210> 662
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 662
 ctgatccggg actgcaataa caatgtccag agtatgcgac ggacagagga gctaattctac 60
 ctgagccaga agattgagtt tgagtgc aaa atattcccgc tcatttctca gtcacgctgg 120
 ctggtgaaaa gtggggagct gacagccttg gaggttcagtg cttccccagg gctacgaagg 180
 aagctgaaca cgcgtccagt ccacctgcac ctcttcaatg actgtctgct gctgtctcgg 240
 ccccgagagt cagtgactgg agtggcaggc cagggcacaa gaggggaagg ggatgaggaa 300
 agaggggggt ctgaaaggga gagagaaggg tcatgttcct agaagagccc ttctcaatgg 360
 cttaacccat agagcccagg tcatagccta gagaagagaa aaacaagccc aaagcaaaaa 420
 ggggatccca tcaaaactgta tcatgagacc acatagcagg acatgtaata tggatatagac 480
 acagagcaaa atgtagcaaa ttagcttatt acattctcac atgagtctat ttgtggcttc 540
 tttgga 546

<210> 663
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 663
 gtttccggga ggcgcgtggg gcttgaggcc gagaacggcc cttgctgcc acaacatgga 60
 gactttgtac cgtgtcccgt tcttagtgct cgaatgtccc aacctgaagc tgaagaagcc 120
 gccctggttg cacatgccgt cggccatgac tgtgtatgct ctggtggtgg tgtcttactt 180
 cctcatcacc ggaggaataa tttatgatgt tattgttgaa cctccaagtg tcggttctat 240
 gactgatgaa catgggcac agaggccagt agctttcttg gcctacagag taaatggaca 300
 atatattatg gaaggacttg catccagctt cctatttaca atgggagggt taggtttcat 360
 aatcctggac cgatcgaatg caccaaatat cccaaaactc aatagattcc ttcttctggt 420
 cattggattc gtctgtgtcc tattgagttt tttcatggct agagtattca tgagaatgaa 480
 actgccgggc tatctgatgg gtttagagt 508

<210> 664
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 664
 aattaacagt gcgtatttgc ctgaagaagg tcagtgtgct tgcttggaga tcaggacgca 60
 aaggtcacca tcagaaaagc taagtttgct gtatagttag gatcaggaga tctgatcctg 120
 attgcagaac cttccctgat tacagaatct tgggttgat cttccacttc acccttctag 180
 accatcccag aagatctata agatttcac tgggaaatca ctaggagttc ttggaaggga 240
 aagaagggaag attgttggtt ggaataaaaa caggggttgaa tgagttccag aaagcagggt 300
 tctcaacctc gtggacagca atctgcagaa gaagagaact tcaaaaaacc aactagaagc 360
 aacatgcaga gaagtaaaat gagagggggc tcctcaggaa agaagacag 409

<210> 665

<211> 452
 <212> DNA
 <213> Homo sapiens

<400> 665
 cggaagctt gtcacatg gaaatcccat caccatcttc caggagcag atccctccaa 60
 aatcaagtgg ggcgatgctg gcgctgagta cgtcgtggag tccactggcg tcttcaccac 120
 catggagaag gctggggctc atttgcaggg gggagccaaa agggtcacat tctctgcccc 180
 ctctgctgat gcccccatgt tcgtcatggg tgtgaaccat gagaagtatg acaacagcct 240
 caagatcatc agcaatgcct cctgcaccac caactgctta gcacccttg ccaaagaatc 300
 agtgaatgca gcttttgaaa tgacattaac agaagggaag aagttggaga agaaactctt 360
 ttattcaacc ttggccactg atgaccgga agaagggatg accgcgtttg tggaaaagag 420
 aaaggccaac ttcaaagacc agtgagaacc ag 452

<210> 666
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 666
 aaattttggc atgcggctac caagggcacc cttgtggcta tggctctgtac tttcttcgac 60
 gctttcaacg tcccggtgtt ctggccgatt ctggtgatgt acttcacat gctcttctgt 120
 atcacgatga agaggcaaat caagcacatg attaatgacc ggtacatccc gtccacacat 180
 ggaagagaa ggtacagagg caaggaggat gccggcaagg ccttcgccag ctagaagcgg 240
 gactgaggct gcctcacgtg ttgcaagaac agttttgagc cattgttaac aatgcctttt 300
 ttcttcacat aaagtagttg attacgaggg agtcaaattt tcttttt 347

<210> 667
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 667
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaagcgc acccaaaggt ggatagtctg agaagctctc aacacacatg 240
 ggcttgccag gaaccataat aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
 tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tggttcagga taatcacctg agcagtgaag ccag 454

<210> 668
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 668
 ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
 gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta tttcggacac atctgggtgac ttccgcaagc tgatggttgc 240
 cctggcaaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
 agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360

0560300-03404

gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtacaa 420
gagttacagc ccttatgaca tgttggaag catcaggaaa gagg 464

<210> 669
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422
<223> n = A,T,C or G

<400> 669
ccaggggtct ctacaaatct cttagcagat tcaatgctat caaacacac aaatttgat 60
cccttaaatg ctttatgcaa tgttcttctc atctggatat ttagtacttg acctttatct 120
tctaaccatt cttttatgtc atcaagagtt gcatcagttg ggaagccttt aatataaaca 180
gatctgtttt ttacatcatt tttatactca tcagtcactt caggtagggg tttgcttgga 240
gaccttctga ttttagtttt atcttcactg atttccatga gttctgcctt ggatttgctc 300
aatgcttcca caattacatt aaagtctgtt gttagacggg tcaacctgtt gaattttatc 360
attatctcca aaggtaccca gccttcatcc agttttatct gttcctttag aaacttgctc 420
cngtggcaaa ttgaagtcgc caaaataata ctcaatttga tgacagattt tggcctccag 480
ggcagccatc ttttcattat caccattttc agccattgag gc 522

<210> 670
<211> 524
<212> DNA
<213> Homo sapiens

<400> 670
atcgccctga aggactgttt ttgttttggt ttgtttgctt ggcatagccc cttcaaggaa 60
tttaactctc cggccatatt cttgtctgat tttacggagg ttgatgtcgc tactgtgcta 120
aataaccagt actttgggtt tcattccggt actaagtact ttaaggtctt atatgtcata 180
atttttattgc taacatcaaa tattttatttt attttttaga aaaataacta aacatgggca 240
aaggagatcc taagaagccg agaggcaaaa tgtcatcata tgcatttttt gtgcaaactt 300
gtcgggagga gcataagaag aagcaccag atgcttcagt caacttctca gagttttcta 360
agaagtgtc agagaggtgg aagaccatgt ctgctaaaga gaaaggaaaa tttgaagata 420
tggcaaaagc ggacaaggcc cgttatgaaa gagaaatgaa aacctatata cctcccaaag 480
gggagacaaa aaagaagttc aaggatccca atgcacccaa aagg 524

<210> 671
<211> 189
<212> DNA
<213> Homo sapiens

<400> 671
ctgcagatac ctccgattga ggatggtaac aattttggag tggctgtcca ggagaagggtg 60
tttgagctga tgaccagcct ccacaccaag ctagaaggct tccacactca aatctctaag 120
tatttctctg agcgtggtga tgcagtgact aaagcagcca agcagcccca tgtgggtgat 180
tatcggcag 189

<210> 672
<211> 446
<212> DNA

09920300 "03401

<213> Homo sapiens

<400> 672

```
ccttccggcg gaacatggca gtgaactgct ccgagatgcg cttgaagagc tcttggatgg 60
ctgtgctatt gccaatgaag gtgactgcca tcttgaggcc acgaggtggg atgtcacaga 120
cggctgtctt gacattgttg gggatccatt ccacaaagta gctgctgttc ttgttctgca 180
cgttaagcat ctgctcatcg acctccttca tggacatccg accacggaag acagcagcca 240
cggtgaggta tcggccgtgg cgggggtcac aggcagccat catgttcttg gcatcgaaga 300
cctgctgggt gagttccggc actgtgagag ctcgatactg ctggcttcca cggctggtga 360
gaggggcaaa gccaggcata aagaaatgga gacgtgggaa ggggaccatg ttgactgcca 420
acttgcggag gtcagcattg agctgg                                     446
```

<210> 673

<211> 442

<212> DNA

<213> Homo sapiens

<400> 673

```
ccacaactgt gaagttagaa aagccctgtc aaagcaagag atggctagtg cttcatccag 60
ccaaagaggt cgaagtgggt ctggaaactt tgggtgggtg cgtggaggtg gtttcggtgg 120
gaatgacaac ttcggtcgtg gaggaaactt cagtggctgt ggtggctttg gtggcagccg 180
tgggtgggtg ggatatgggt gcagtgggga tggctataat ggatttggtg atgatggaag 240
caattttgga ggtgggtggaa gctacaatga ttttggaat tacaacaatc agtcttcaaa 300
ttttggaccc atgaaggag gaaattttgg aggcagaagc tctggcccct atggcggtgg 360
aggccaatac tttgcaaaac cacgaaacca aggtggctat ggcggttcca gcagcagcag 420
tagctatggc agtggcagaa ga                                     442
```

<210> 674

<211> 527

<212> DNA

<213> Homo sapiens

<400> 674

```
aaaatgatgg ttgtttttcc gagcttcatt aacaaaaaac tctgctaaat aaaatgcggt 60
tttcacagca ttaggtgcat gggaaatgcc atccaaattc ttccactcat aaggtgcttt 120
ctctggatgc cactggacac catatactgg atacttataat ccttccattg ttgaaataaa 180
ctcaatcttg ccatctgtat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtca gaggttctac 300
tgctaatagac agcaacaact cagtaggaaa attctggaac attctgctgt gcaattgacc 360
tccagtgaag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
tccactaatc agcagtgaag gctcttcaaa tccaaggcat gtgcccaca caggaaaata 480
gtctccatca tcaaaactct gtatggacaa gttataaaat attttgg                                     527
```

<210> 675

<211> 423

<212> DNA

<213> Homo sapiens

<400> 675

```
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
gggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgaa 120
cttcttcagt cgtccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tgggtgatcac acgttccacc tcatectcag tgagttctcc 300
```

05920300 "073101

cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tatcttcggc cgcccatcga tgttggtgtt 420
gag 423

<210> 676
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 435, 452
<223> n = A,T,C or G

<400> 676
ctgcacatca aatgtacctg ggatgagggtg ggtggagctt tgaatctacc actatccagg 60
ccacacacct agaagctctg gtttcattgt ttcatgtatt tcattgtttt gattgatgct 120
gaccttaggc agcagagtgt tcaatgctct ccagggtgtt cttaaagtga gacaagtgtt 180
ggaccgtgct tgagggtgaa gggcaggact gtgatgggga ggggcaaata tggggccctt 240
ggggtgcagg caatgggttt ccttgacctg aatgggggtc tcacagggtg tgcataata 300
tatacgtaca catgtcagct cttccctttc tccacagcat acacgtagggt gttccacggc 360
ccacagggtga cagcctttac ttggagttgc ttatctacaa agtattccac acggcgaggc 420
cgatccaagc tggtngtgtc ctctgggccc an 452

<210> 677
<211> 365
<212> DNA
<213> Homo sapiens

<400> 677
aaaaaatagt tcagtacatt tttgttataa aattcattta caggagggtta ttcacatgta 60
cttgtcaaat ttactcctga taattcaca aaacatacaa ctcaacaac tgtgcacaat 120
aaatccaagg caaattatat acaaagaac aaaacaagct ttaagtagc acatattcat 180
ttgaaataac taatattgaa agaagacagg gaactttctt ttaatgccat ggcaaagacg 240
aagcgaagag ccacacttca caccttgtaa aaagaatagc cctgttcaac aacgtgcgc 300
tgacagccac atcaggaggg gccacgggtga acataggaaa tggctttggc aaatacttgt 360
accaa 365

<210> 678
<211> 478
<212> DNA
<213> Homo sapiens

<400> 678
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cacagcaagc 60
tacaaatgtg aaaccagaa cccagttagt gccaggcgca gtgattcagt catcctgaat 120
gtcctctatg gcccgtagt cccaccatt tcccctctaa acacatctta cagatcaggg 180
gaaaatctga acctctcctg ccacgcagcc tctaaccac ctgcacagta ctcttggttt 240
gtcaatggga ctttccagca atccaccaa gagctcttta tcccaacat cactgtgaat 300
aatagtggat cctacacgtg ccaagcccat aactcagaca ctggcctcaa taggaccaca 360
gtcacgacga tcacagtcta tgcagagcca cccaaaccct tcatcaccag caacaactcc 420
aaccctgtgg aggatgagga tgctgtagcc ttaacctgtg aacctgagat tcagaaca 478

<210> 679

05920300-03401

<211> 437
 <212> DNA
 <213> Homo sapiens

<400> 679
 gcccggtgccg ccgcccgcctc ctgggaagag aggaagcggg agaggagccc acgtcgcctg 60
 tcacccaata tctccagccg cgcagtcccg aagagtgtaa gatgttcgcc tgcgccaagc 120
 tcgcctgcac cccctctctg atccgagctg gatccagagt tgcatacaga ccaatttctg 180
 catcagtgtt atctcgacca gaggctagta ggactggaga gggctctacg gtattttaatg 240
 gggcccagaa tgggtgtgtct cagctaattcc aaagggagtt tcagaccagt gcaatcagca 300
 gagacattga tactgctgcc aaatttattg gtgcaggtgc tgcaacagta ggagtggctg 360
 gttctggtgc tggatttga acagtcctttg gcagccttat cattggttat gccagaaacc 420
 cttcgtgtaa gcagcag 437

<210> 680
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 680
 ccagcagcca ggagggaggt aggctgatgt gatgggatgg gatcttgccc tgggttggtc 60
 tcatggtgca gaagagcagt gttggaatca ttctaattgct tcaggatgcc tcatgtgcc 120
 catggagctc agacatcagg aggtgctggg actctattta gccgttcgat gatgcggttg 180
 ttgtccagga ggtcagatgc cagcagcttc atccccctgc agagctcttg catgtggaga 240
 agcaggtcct ttcgtgtagg gctggggtaa ggagctatgg gaggcggcga gg 292

<210> 681
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 681
 ccttgaccgc gtacttccgc agcgggtaca gccgctcctt ccgctgctgc ttcttggtct 60
 tcaggttctc ctctgtcttg ttgagccggc ggcgcagtgg acgtgtcttc ttaggccgca 120
 ggtccagggg cttgtacttc ttgcccttgt agaatttcct gaggttttct ttctgagtct 180
 ggtaataaac tgtgagaaca cgggcaatgg atttccggac gactcggatc ttagagagct 240
 tggaggccgc accgcctgtc actttggcga cgcgcag 277

<210> 682
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 682
 ccactcctgc tgtatctaca cctaccagtc actgaacacc tgcccaagtg tgatggcttc 60
 catgcaggag acccaagtgg ctctgctagg gagaatgact tatttaccta aggccttttt 120
 atttctcaaa agtgggggga aaaagggctg gtttctagaa acagatgtgg aattgaagaa 180
 tgtcccaggg agctaagttt taaggactaa tcacaaactt gtttctccaa caacatcctg 240
 aatccattcc ttgcaccatc acacattttt catgcatcag aagtgtttct agagctccag 300
 aaccacaggt acctcatcac gtctgagcgc ctacatccc ccagcaagcc gcctgcacca 360
 gg 362

<210> 683
 <211> 435

00900300 073101

<212> DNA
<213> Homo sapiens

<400> 683
atcagttgcc aagagcaaca tacataccga cctggctgaa ttattgccag tgaaaacaac 60
ctgtacgaag cctttgctca ggttctaaaa tatgtttgtc cttgcacgaa tttgtatat 120
ttcaaataatt tctgtaaagg tttcttcttt tctgttagag tgtggtgta agccagagtc 180
agtggtttgt gttctcatta aaatgtttgt ttaaatocta tgtccaattc aagcctatct 240
aactacattt ggtaggatta acatttcata taacaaatgg ggcttaatta aaaacttta 300
cttggataaa aggaacaggg atcactttat cttctgcctt catttacctt agtccaagat 360
tcttgcaaaa caggcaactg aacaaacatt aggtttatgt aggtaaaatg tgaaagcatt 420
tctcctccac ttttt 435

<210> 684
<211> 387
<212> DNA
<213> Homo sapiens

<400> 684
attggattgc cacacggctc acattgcatg caagtttgtc gagctgaagg aaaagattga 60
tcgccgttct ggaaaaaagc tgggaagatgg ccctaaattc ttgaagtctg gtgatgctgc 120
cattgttgat atggttctctg gcaagcccat gtgtgttgag agcttctcag actatccacc 180
tttgggtcgc tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc 240
agtggacaag aaggctgctg gagctggcaa ggtcaccaag tctgccaga aagctcagaa 300
ggctaaatga atattatccc taatacctgc caccocactc ttaatcagtg gtggaagaac 360
ggtctcagaa ctgtttgttt caattgg 387

<210> 685
<211> 308
<212> DNA
<213> Homo sapiens

<400> 685
cctcagttag tgagtcaagc tgtgatgtgt gtgtctgaac acaactggct cccttggtat 60
accgggggct ccctctccag atgggtgtga gtgcatggtc ctactgtaca cacagggtctc 120
agtatctata tgtgtctcat ttgttcccat gggctctctgt gtttggtatc ataagcatgg 180
atatccctgc tcatacagca ggaactcagg atctgcatgg tgtatgtccc tgtctgtaaa 240
catgggctcc agcaagtggg tatgtgcggg cctgcccgtc cctgtccatc cgcaggctctt 300
ccttcagg 308

<210> 686
<211> 500
<212> DNA
<213> Homo sapiens

<400> 686
gtatttattt gtcttttctc tgtcaaacc ctagccaacc acgttcccca ggctgcctgg 60
ggaggtatag gaaaaggaac acacggggcc aaccagacgc gggagaacta tgggaggtgg 120
agacggctcc ttcacatggc aaagaggatg agaaaggcta ccatcagaca aaagagcccc 180
atggcctccg agagggcaaa gcccagaatg gcgtaggaga agagctgttg cttcagagaa 240
gggttctctg catagccaat gatgaggctc ccaaacacag ttccaatccc agccccagaa 300
ccagccaccc caactgtggc agccccagct ccaatgaact tggctgctgt gtcgatgtcc 360
cttgaaatgg cgctggtttg gaagctgcgg ctagagacaa gtgaggtaag gggacatgag 420
actgccaagc tgctgaggct ctcatctgtc agtatctccg gtcgtttcag caccactgca 480

05920300.073101

gatagcggac ggctcagcag

500

<210> 687

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 555

<223> n = A,T,C or G

<400> 687

```
ctctactaaa aatacaaaaa tgagctgggc ttggtggcgc gcacctgtag tcccagttac 60
tcgggaggct gaggcaggag aatcgcttga acccgggagg tggagattgc agtgagccca 120
gatcgacca ctgcactcca gtctggcaac agagcaagac tccatctcaa aaagaaaaga 180
aaagaagact ctgacctgta ctcttgaata caagtttctg ataccactgc actgtctgag 240
aatttccaaa actttaatga actaactgac agcttcatga aactgtccac caagatcaag 300
cagagaaaaat aattaatttc atgggactaa atgaactaat gaggataata ttttcataat 360
tttttatattg aaattttgct gattctttaa atgtcttggt tcccagattt caggaaactt 420
tttttctttt aagctatcca cagcttacag caatttgata aaatatactt ttgtgaacaa 480
aaattgagac atttacattt tctccctatg tggtcgctcc agacttgga aactattcat 540
gaatatttat attgnatg                                     558
```

<210> 688

<211> 493

<212> DNA

<213> Homo sapiens

<400> 688

```
aaaaaaaggc ccccgaggca agttattttac agtttaattg ccactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagaccta ctaacagaac gggacttgct 180
ccggctccgg ctctgtctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcggcta cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgctgcctt caattaattt tatttttctc ccatttattt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgcat ccgcaaacgt tacttcccca gcttgtctca tgaaatcttt 480
gagatcctgc cag                                     493
```

<210> 689

<211> 439

<212> DNA

<213> Homo sapiens

<400> 689

```
aaacgcaaag attaccttaa gcaacacatg aaaactcatg ccccagaaag ggatgtatgt 60
cgctgtccaa gagaaggctg tggagaagacc tatacaactg tgtttaatct ccaaagccat 120
atcctctcct tccatgagga aagccaccct ttgtgtgtg aacatgctgg ctgtggcaaa 180
acatttgcaa tgaacaaaag tctcactagg catgctgttg tacatgatcc tgacaagaag 240
aaaatgaagc tcaaagtcaa aaaatctcgt gaaaaacgga gtttggcctc tcatctcagt 300
ggatatatcc ctcccaaaag gaaacaaggg caaggcttat ctttgtgtca aaacggagag 360
tcacccaact gtgtggaaga caagatgctc tcgacagttg cagtacttac ccttggctaa 420
gaactgcact gctttgttt                                     439
```

05920300 "073101

<210> 690
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 690
 aaactggatt gaattgcttt gtcttagatg aggctgagaa gggtggttct gaacagaaag 60
 taatgatgac gtccctcttt tttgtagtat gtccgtgggt cagaccctgt attaaagctt 120
 ttggacgaca atgggaacat tgctgaagaa ctgagcattc tcaaattggaa cacagacagt 180
 gtagaagaat tcctgagtga aaagttggaa cgcataataa tcttgcttaa attttgtcct 240
 atccttttgt taccttatca aatgaaatat tacagcacct agaaaataat ttagttttgc 300
 ttgcttccat tgatcagtct tttacttgag gcattaaata tctaattaaa tcgtgaaatg 360
 gcagtatagt ccatgatatc taaggagttg acaagcttaa caaaacccat tttttataaa 420
 tgtccatcct cctgcatttg ttgataccac taacaaaatg ctttg 465

<210> 691
 <211> 550
 <212> DNA
 <213> Homo sapiens

<400> 691
 ccacggggac tggtattcgc aagctgggtt tctagacctg ttagttggaa gcatgggtgag 60
 caccatttct ggacgctcag gccgtgtcgg gcttcagtc tctccaccac acaggtagag 120
 cagecgtttc tggtagtcgc ccttagtgtc ttgctggata taatagtaca gggacttgcc 180
 gtactttctc ttgaattcag acctaatatt caacatgtcc acttcaactgc gggagacat 240
 gattctgatc aggaccttat ctgcgcgtccc cttgcccttc atggagtcac acagccgatc 300
 agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
 gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
 cctatcaaatt actttctgga ggtggggcac gctccgctcg gtcagatgc tgatccactt 480
 gggaacatca gttcctttcc tcttcaactc agtgtcatag agatcccag catcttggtc 540
 aatcagttca 550

<210> 692
 <211> 370
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 14, 51, 108, 330, 339
 <223> n = A,T,C or G

<400> 692
 canatgtcct aggnccctccc aattcttaga catttaatac ccatttttct nctcctttta 60
 ttccggacctt gtatcttcca tttagcttct caaatcatcc aaaaccgnat ccaggccatc 120
 accaatcatt ctatacgaca aatgttttct ctaacatccc catgatatca ccccttacca 180
 caagacctcc cttcagctta atctctccca ctctaggctc ccacgcgcgc cctaattccc 240
 cttgaagcag ccctgagaaa catcgcccat tatctctcca taccacccc caaaaatttt 300
 cgctgcccc acaattcaac actattttgn tttatttgn ttattaatat aagaaggcag 360
 gaatgtcagg 370

<210> 693
 <211> 520

09900300 "073101

<212> DNA
<213> Homo sapiens

<400> 693

```

aaaacctgaa ttgttaccgc atcattttcc ttttcataaa aatagatata tctgttcaga 60
atctctataa aaagctgcac ttgtagagag ggggccatgc actgatttgc tattttttaga 120
gcttttttta ggcactccat taccctcttg cctccgtgaa gctcctcccc atttttgtcc 180
gtgtttctgc cagaccagaa gagatgtgca cagggtgctca cagctcggcc ctgatcaggt 240
ttcttttagaa gtttgatgc agcaagggca cactgagtc tccagagggtc atgattctct 300
tcactgaagc acttcaccc ttcaaaagt ccaatgatca aggtgatggc agctagctgt 360
gctttggaat cgctgatttc atcttcatac agagaaaatg cctgggacat gaattcatat 420
gcgactgtct catgattttc aaaaccaatt tccccagcag ctagtgtctc ttgaagaaaa 480
agtcttaagg gcaattctgc cagctctgct ttgatcaaag 520

```

<210> 694
<211> 342
<212> DNA
<213> Homo sapiens

<400> 694

```

ctgcattgag ttagcggggg cggagtggc ctggggcagc ctgtccctaa cagaatccac 60
ctccgagttg tgacaattaa atgaaaagg tgaagggtg aacatgaagc acctgctaca 120
ctgccctgtt gccaccagca ttgtcactgc tctagctcct gtggcactgc acggacacgt 180
ggttgctaca agttagtacg catatttggc cttatttagag gcactttcct attgtaactg 240
aagggatagt tggcttaagt caattgaaat accagcaaca ggacattcca gcttcaatgg 300
cttgtgcctg tagttgtcaa cctgcgccaa gaactgaggc ag 342

```

<210> 695
<211> 503
<212> DNA
<213> Homo sapiens

<400> 695

```

aaattgttag gaggttggg gctattagtt aatctatctt ccaatacact gtttaatat 60
gcactgaata aatgatgcaa gttgtcaatg gatgagtgat caactaatag ctctgctagt 120
aattgattta tttttcttca ataaagtgc ataaaccaat gagttagctg cctggattaa 180
tcagtatggg aaacaatctt ttgtaaatgc aaagctgttt tttgtatata ctgttgggat 240
ttgcttcatt gtttgacatc aaatgatgat gtaaaagtgc aaagagtga tattttgcca 300
tgttcagtta aagtgcacag tctgttacag gttgacacat tgcttgacct gatttatgca 360
gaattaataa gctatttggg tagtgtagct ttaatgtgct gcacatgata ctggcagccc 420
tagagttcat agatggactt ttgggaccca gcagttttga aatgtgttta tggagttaa 480
gaaatttatt ttccagggtgc agc 503

```

<210> 696
<211> 325
<212> DNA
<213> Homo sapiens

<400> 696

```

ccagataagg ctgacttcag tgctgatgca agttcctttt tggctccttct ctggtaggcg 60
aaggcaatat cctgtctctg tgcaattgctg cggttggtca aaatgttgac aatggtgacc 120
tcatccacac ctttggtctt gatggctgtt tcaatgttca aagcatccc ctcagcatca 180
aagttagtat aggttttgac agaccatat gcacttgggg gtgtagagt atcaccctcc 240
aagctgagct tgcacaggat ttcgtgaaca gtagacatt tgaaggaagc tgggccgtgc 300

```

09920300 073404

gccgagagct gagagcgtcc ccaaa

325

<210> 697

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 422

<223> n = A,T,C or G

<400> 697

```

ccaccatcta tgcaaagtga aagctctgaa caagggtgat gccaaactctg aagtcactgt 60
gtactaccag tcaggtacca ggagtctaag agaataacg cttatggagc tgcttgatgat 120
gcacatggaa gaaccttggt ttgacttcct tcgaaccaag cagacccttg ggtaccatgt 180
ctaccctacc tgtaggaaca catccgggat tctaggattt tctgtcactg tggggactca 240
ggcaacaaaa tacaattctg aagttgttga taagaagata gaagagtttc ttcttagctt 300
tgaggagaag attgagaacc tactgaaga ggcattcaac acccaggtca cagctctcat 360
caagctgaag gagtatgagg ataccacact tggggaggag gtggatagga actggaatga 420
angtggttac acagcagtac ctctttgacc gccttgccca cgagattgaa gcaactgaagt 480
cattctcaaa atcagacctg
500

```

<210> 698

<211> 117

<212> DNA

<213> Homo sapiens

<400> 698

```

ccagataccg cccacgtgcc cccatcattg ctgtgaccgc gaatccccag acagctcgtc 60
aggcccacct gtaccgtggc atcttccttg tgctgtgcaa ggaccacagc caggagg 117

```

<210> 699

<211> 268

<212> DNA

<213> Homo sapiens

<400> 699

```

ctgggggttat aagtttatag ttgggaactt ccttacagag tttatcatag gtagctttgt 60
caaacaagac taagttattg agcttgccc gaactttgcc ttgggaccac ttcttctttt 120
tggccttgcc cccgatttg ttactgggt ctttgtcttt cttggccgac ttccagcgt 180
ccttcttctt cttgtcgccc ttagcgccga ttgcgaagct cggagaatag cagcagacac 240
cgcagcctcg tcaagatgac ggacaaaa
268

```

<210> 700

<211> 205

<212> DNA

<213> Homo sapiens

<400> 700

```

tttttgcaact ttttttataa gcaaaaacgt gccgtttaaa ccaactggatc tatctaaatg 60
ccgatttgag ttccgcacac tatgtactgc gtttttcatt cttgtatttg actatttaaat 120
cctttctact tgtcgctaaa tataattgtt ttagctctat ggcatgatga tagcatatgt 180
gttcagggtt atagctgttg tgttt
205

```

0550300.024101


```
<210> 704
<211> 221
<212> DNA
<213> Homo sapiens
```

<400> 704

```

aaaaagacaaa aacaaaacaa aaataaccaca gctcaagata aagagtccta tacagaaatc 60
acaaaaagga cagaccatct aaggaaaaat taaaaagacg acacaaggac aggctgggca 120
gcctgggtca gggctcctgg ctggtgacct gctttgagta gggttcttgc aggtacttct 180
taaaagctgt ggggtttttc cagagctcgg cagcatgtgt g                                     221

```

<210> 705

<211> 568

<212> DNA

<213> Homo sapiens

<400> 705

```

ccaggctggt cttgaactcc tgacgtcaag tgatctgcct gccttgggtct cccaatacag 60
gcatgaacca ctgcacccac ctacttagat atttcatgtg ctatagacat tagagagatt 120
tttcattttt ccatgacatt ttctctctct gcaaatggct tagctacttg tgtttttccc 180
ttttggggca agacagactc attaaatatt ctgtacattt ttcttttata aaggagatat 240
atcagtgttg tctcatagaa ctgcctggat tccatttatg ttttttctga ttccatcctg 300
tgtcccttcc atccttgact cctttgggtat ttactgaat ttcaaacatt tgtcagagaa 360
gaaaaaagtg aggactcagg aaaaataaat aaataaaaga acagcctttt cccttagtat 420
taacagaaat gtttctgtgt cattaacat ctttaatcaa tgtgacatgt tgctctttgg 480
ctgaaattct tcaacttgga aatgacacag acccacagaa ggtgttcaaa cacaacctac 540
tctgcaaac ttggtaaagg aaccagtc                                     568

```

<210> 706

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 153

<223> n = A,T,C or G

<400> 706

```

cctcctggtc actctgtccc tgcactccat gtatagtcct cttgggttgg ggggtggggg 60
gtgccgttgg tgggagagac aaaaagaggg agagtgtgct ttttgtacag taataaaaaa 120
taagtattgg gaagcaggct tttttccctt canggcctct gctttcctcc cgtccagatc 180
cttgagggga gcttgggaacc ttagtgacac tacttcagtt cagaacactt agcacccac 240
tgactccact gacaattgac taaaagatgc aggtgctcgt atctcgacat tcattccac 300
ccccctctta ttt                                     313

```

<210> 707

<211> 410

<212> DNA

<213> Homo sapiens

<400> 707

```

ccagcgagca catgaagcgg ttcttcgtga acttttgtgt tgggcaggat ccgggctcag 60
acgtcgctt ccacttcaat ccgcggtttg acggctggga caaggtgggtc ttcaacacgt 120
tgcaggggcg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
ccgcctttga gctggtcttc atagtcctgg ctgagcacta caaggtgggtg gtaaatggaa 240
atcccttcta tgagtatggg caccggcttc ccctacagat ggtcacccac ctgcaagtgg 300
atggggatct gcaacttcaa tcaatcaact tcatcgagg ccagccctc cggccccagg 360
gacccccgat gatgccacct taccctgggt ccggacattg ccatcaacag 410

```

0920300.073101

<400>	708						
ctgctgcccc	tgctggtgcc	attgccccat	gtgaagtcac	tgtgccagcc	cagaacactg	60	
gtctcgggcc	cgagaagacc	tcctttttcc	aggttttagg	tatcaccact	aaaatctcca	120	
ggggcaccat	tgaaatcctg	agtgatgtgc	agctgatcaa	gactggagac	aaagtgggag	180	
ccagcgaagc	cacgctgctg	aacatgctca	acatctcccc	cttctccttt	gggctggtca	240	
tccagcaggt	gttcgacaat	ggcagcatct	acaaccctga	agtgcttgat	atcacagagg	300	
aaactctgca	ttctcgcttc	ctggaggggtg	tccgcaatgt	tgccagtgtc	tgtctgcaga	360	
ttggctaccc	aactgttgca	tcagtacccc	attctatcat	caacgggtac	aaacgagtcc	420	
tggccttgtc	tgtggagacg	gattacacct	tcccacttgc	tgaaaaggtc	aagg	474	

```

<400> 709
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
cctgggccaag tgaatatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
ttagggcaag agccaggtat agtctccctt ccagaattt gtaactgaga agatcttttc 240
tttttccttt ttttggtaac aagacttaga aggagggcc aggcactttc tgtttgaacc 300
cctgtcatga tcacagtgtc agagacgcgt cctctttctt ggggaagtgt aggagtgcc 360
ttcagagcca gtacaggcca ggggtgggta ggcaccctcc ttcctgtttt tatctaataa 420
aatgctaacc tqcaaaaaaaaa aa                                     442

```

```
<220>  
<221> misc_feature  
<222> 486  
<223> n = A,T,C or G
```

<400>	710					
cgctccccc	tcccccgag	cgccgctccg	gctgcaccgc	gctcgctccg	agtttcaggc	60
tcggtgctaag	ctagcgccgt	cgtcgtctcc	cttcagtcgc	catcatgatt	atctaccggg	120
acctcatcag	ccacgatgag	atgttctccg	acatctacaa	gatccgggag	atcgcggaag	180
ggttggtgct	ggagggtggag	gggaagatgg	tcagtaggac	agaaggtaac	attgatgact	240
cgctcattgg	tggaaatgcc	tccgctgaag	gccccgagg	cgaaggtaac	gaaagcacag	300
taatcactgg	tgtcgatatt	gtcatgaacc	atcacctgca	ggaaacaagt	ttcacaaaag	360
aagcctacaa	gaagtacatc	aaagattaca	tgaaatcaat	caaagggaaa	cttgaagaac	420
agagaccaga	aagagtaaaa	ccttttatga	caggggctgc	agaacaaatc	aagcacatcc	480
ttgctnattt	caaaaactac	cagttcttta	ttggtgaaac	atgaatccag	atggc	535

$$\begin{aligned} \langle 210 \rangle & 711 \\ \langle 211 \rangle & 332 \end{aligned}$$

<213> Homo sapiens

cctggatgtg	gctcttcgca	ctgaaggcca	agtagtagat	cacaaggccg	atcgccgcag	60
ccagcacctc	agtggacacc	cagggcccgt	tccaagtgcc	ccgatggtcc	acgctgactg	120
taaacagagg	cgggatgatg	gaaatgtcct	cgttattcct	ctgagccctc	ctgaggaggc	180
tgtaggactc	ctcgtcgaag	aatctaacct	cgtagggtgcc	tgcgtgggcg	ctcttgtggt	240
ccaggctcca	ggacacctag	taacgccccg	catcctggcc	tcgagtgaca	gggaattggt	300
ttccaccgac	gtcagcatag	aqagccatgt	tc			332

<211> 481

<213> Homo sapiens

ctgaagaaaa	aagcagtcac	cgatttttaag	tccaatgggc	acatttatga	caatcggata	60
gttctgaatg	gcacgacac	caaagcattt	cttgatagtc	taccagatgt	gaaaattgtc	120
aagatgaagt	gtcctgatgg	aggagacaat	gcagatagca	gtaacacagc	tcttaatatg	180
cctgttattc	ctatgaatac	tattgcagaa	gcagttattg	aaatgattaa	ccgaggacag	240
attcaaataa	caattaatgg	attcagttat	agcaatggac	tggcaactac	tcagatcaac	300
aataaggctg	caactggaga	ggagggtccc	cgtaccatta	ttgtaaccac	ccgttctcag	360
tacgggttac	cagaagatgc	catcgtatac	tgtaacttta	atcagttgta	taaaattgac	420
ccttctactt	tgcagatgtg	ggcaaacatt	ctgaagcgtg	ttcccaatag	tgtactctgg	480
C						481

<211> 129

<213> Homo sapiens

```

caacagcgag caccttctg ctccgtgact gttcttggcc cctctagcag tcctcagatc 60
tttagatcgg ccctgcgagg gtcagcagaa caggcagccg tgaaggtag gggcatggag 120
gaatctgtt                                     129

```

<211> 471

<213> Homo sapiens

ctgacatttc	tgccttctta	tattaataag	acaaataaaa	caaaatagtg	ttgaagtgtt	60
ggggcagcga	aaatttttgg	ggggtggtat	ggagagataa	tgggcgatgt	ttctcagggc	120
tgcctcaagc	gggattaggg	gcggcgtggg	agcctagagt	gggagagatt	aagctgaagg	180
gaggtcttgt	ggtaaggggt	gatatcatgg	ggatgttaga	agaaacattt	gtcgtataga	240
atgattgggt	atggcctgga	tacggttttg	gatgatttga	gaagctaaat	ggaagatgca	300
aggtccgaat	aaaaggagga	gaaaaatggg	tattaaatgt	ctaagaattg	ggaggacctt	360
ggacatttga	ttagagagtg	cctaaggaga	ttcagcatag	tcctgcccagc	aaagattatt	420
tacttcaaga	gttaagagtg	gcagtttggg	gatagcacca	ggagatatca	g	471

<211> 454

<212> DNA
<213> Homo sapiens

<400> 715

```
ctggcttcac tgcctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggctcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggcgctca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggt ctcagaactg ttgttttcaa ttgg 454
```

<210> 716
<211> 300
<212> DNA
<213> Homo sapiens

<400> 716

```
caggctcctgg gctcgctgg accacaagtt tgacctgatg tatgccaaagc gtgcctttgt 60
tactgggtac gtgggtgagg ggatggagga aggcgagttt tcagaggccc gtgaggacat 120
ggctgccctt gagaaggatt atgaggaggt tggagcagat agtgctgacg gagaggatga 180
gggtgaagag tattaacctg tgtgctgtac ttttactctc ctttgtcttg gaactgtctt 240
atTTTTgttc tgtaaatgtc tattgccgta aattgttaat aaaattgatg tttccatttt 300
```

<210> 717
<211> 575
<212> DNA
<213> Homo sapiens

<400> 717

```
aaaatcatat ccagcacaaa aactatttct ggctgaatag cacagaaaag tattttaacc 60
tacctgtaga gatcctcgtc atggaaagggt gccaaactgt tttgaatgga aggacaagta 120
agagtgaggc cacagttccc accacacgag ggcttttgta ttgttctact ttttcagccc 180
tttactttct ggctgaagca tccccttggg gtgccatgta taagttgggc tattagagtt 240
catggaacat agaacaacca tgaatgagtg gtatgatccg tgcttaatga tcaagtgtta 300
cttatctaata atcctctag aaagaaccct gttagatctt ggtttgtgat aaaaatataa 360
agacagaaga catgaggaaa acaaaaagggt ttgaggaaat caggcatatg actttatact 420
taacatcaga tcttttctat aatatcctac tactttgggt ttcttagctc cataccacac 480
acctaaacct gtattatgaa ttacatatta caaagtcata aatgtgccat atggatatac 540
agtacattct agttgggaat cgtttactct gctag 575
```

<210> 718
<211> 483
<212> DNA
<213> Homo sapiens

<400> 718

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggctcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcactact gtgctgccaa 120
agctgggtcc atgacaactt ctggtggggc gagagcaggc atggcaacaa attccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggaagacaa tggatttcgc 300
```

05920300 073404

```

cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacactgggc ttggatataa tagccatctc tcagtccacc 480
gaa 483

```

```

<210> 719
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 719
aaaaaaactg gcttggaaaa aaatcacaaa aaattttaagt gacaacaaat cttgattaac 60
tagtccatct tcctaccaca catgattata ctctaagtga gatattctgg ttgaatttct 120
tccaaccaag tttgaagggc cccagtagaa aatcaagtggt taatactttc agatttttat 180
tgtccaaaac tgttgacaaa gaaaagctaa cttcaacata acttgtttct ggctatacaa 240
agacctatct caggtgctac agatactgaa aataggagta ttttacttat ttctcaagag 300
acagacttat gccatctaag aaaatgaatt cagttttt 338

```

```

<210> 720
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 474
<223> n = A,T,C or G

```

```

<400> 720
aaaatgcact gggaggggaaa aaacgaaatt aacaatctac tattccctaa tatatatggc 60
ttggcaccca gagaaagcct ctacccccga aagagacttt ctacataggg ttaagcttca 120
ttaaatgagg tgcaaccttt cattttcagg gcattctctt tcttgcaagg tcttttagagg 180
cagaagttcc acttgatttc taatacacat ctctgtgagc tcagtttctt gaaaatatac 240
acctactggg ttctagggttc tcccttacca gtgactgtat tcattatttc acagccacca 300
gaatcggaac tacactatta acatgatgaa aaatacagct actgctgcaa gtttggcata 360
agtggaaagc atgttcaagt acttcgcac ctaggggtat ttcttggaac gactggacaa 420
attgttagcc tttgaatcca atgctgagag tgcttctctt cgttgtaaca cttnttcaat 480
attgg 485

```

```

<210> 721
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<400> 721
aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
tgtagggtgaa aagggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
cagttcaata ttattgccac tgtagtgatg gacaccagtt ttagccaaca tagcatagta 240
ctctatttca gatttctcca aagctgggca gttgttagcg agaataacca atttcgcttt 300
gccttgtctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
aacgagttgg agcctagagt tgatcgactc cagcgacttt ttcgtcttct ttgcggccac 420
catcttctct ccttaggagc gg 442

```

09920300.073104

<210> 722
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 722
 ggccgatacc tcaccgtggc tgctgtcttc cgtggtcgga tgtccatgaa ggaggtcgat 60
 gagcagatgc ttaacgtgca gaacaagaac agcagctact ttgtggaatg gatccccaac 120
 aatgtcaaga cagccgtctg tgacatccca cctcgtggcc tcaagatggc agtcaccttc 180
 attggcaata gcacagccat ccaggagctc ttcaagcgca tctcggagca gttcactgcc 240
 atgttccgcc ggaagg 256

<210> 723
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 723
 ctgaagccgt ggatacagaa atctctgcag gcaagttgct ccagagcata ttgcaggaca 60
 agcctgtaac gaatagttaa attcacggca tctggattcc taatcctttt ccgaaatggc 120
 aggtgtgagt gcctgtataa aatattctat gtttaccttc aacttcttgt tctggctatg 180
 tggatatctg atcctagcat tagcaatatg ggtacgagta agca 224

<210> 724
 <211> 260
 <212> DNA
 <213> Homo sapiens

<400> 724
 aaaaattatc atcaagacat tttacaccac aagtcacata aaattaggct tacttcagcc 60
 agataaccta tagctgttaa agaattatat tatcctgttc ataagatgag aggtagtgc 120
 attttattct ctcaatgctg agctaaaaat tccacacatc tggcacatgg gttacaagg 180
 ggaaaagcac agaagcacca ttgccactc ctcagggttt ggtatttcaa gtcaccata 240
 acttcatttg ctattggcag 260

<210> 725
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 725
 aaaaaacaaa caggttgaaa aatgggttaa agtaggcaaa tacaacatat ctgccttttag 60
 agctatcaac tcaggaattc tctcaattat gaaatcttgc agagaagtta ttttcttctc 120
 tcaaaatcca ggtgatgaca atattcctta ctccagatct ggcatttttt catcatcact 180
 gtcttgtgaa tcatca 196

<210> 726
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 726
 gacggcttga gggctgtcaa aaatgctatt gatgatggct gtgtggttcc aggtgctggt 60
 gccgtggaag tggcaatggc agaagccctg attaaacata agcccagtgt aaagggcagg 120

09960300.023404

```

gcacagcttg gagtccaagc atttgctgat gcattgctca ttattcccaa gggtcttgct 180
cagaactctg gttttgacct tcaggaaaca ttagttaaaa ttcaagcaga acattcagaa 240
tcaggtcagc ttgtgggtgt ggacctgaac acaggtgagc caatgggtggc agcagaagta 300
ggcgtatggg ataactattg tgtaaagaaa cagcttcttc actcctgcac tgtgattgcc 360
accaacattc tcttggttga tgagatcatg cgagctggaa tgtcttctct gaaaggttga 420
attgaagctt cctctgtatc tgaatcttga agactgcaaa gtgatcctga ggattacag 479

```

```

<210> 727
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 727
aaaattaatc ttgcttcatt gttacatgta atatatttca gacattttca ctggaagatt 60
tatgaacaga aatattgggt gaaagttaga gattttacaa aatgctgaca aaaatatttt 120
cctagcatca gtagatttct ggcatatggt tctgctagct atatatttag gaaattcaaa 180
gcataaaaact ttggcaacat cttggctggt ctagacacag tgtacttgtc aacctctctc 240
aggtaccttt tcttgggatg cttattagaa gccaaagtaa gtgcttaagg tttgttttca 300
ttaaattagc tatttctgct cccctgttca aagatgcatt ttgagtgttt atagatcact 360
gccctttttg aaatcacct 379

```

```

<210> 728
<211> 425
<212> DNA
<213> Homo sapiens

```

```

<400> 728
aaatttctga acttcttcaa tacaaattaa aatagtactg gagtcttttg ggaggccaat 60
agctagcagc tacattaatt ggtgtagagg agcctcctta tcgataacca ggtccagggt 120
gggtatagcc ctgaccaaag ggaggacggt tacgcgcata aggattaggc ccacttggag 180
gaggggtcat ggtacttcca ggaagtgaag taaaacctgg tcttgggtga taggccccag 240
gttggcttgg agccattcca ggttgagagg caggagccac agtataatta gtaggctgag 300
aagttttggc agtgaagtt tgtgcaggat aattgctcgc ctggtagtgc tgtggcggct 360
gagcaggcag ttgttgaggc tgaccagaaa aggccaggagc tgggtgcctgg gaagttgggt 420
gctgg 425

```

```

<210> 729
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 431
<223> n = A,T,C or G

```

```

<400> 729
caactggatg gaagactcgg acgtggaaga tctgactaaa gagaccctgc acaagcagta 60
ccacctggta aaatcgaca ccaacaccag ccacgtcatg cagtatggaa acaaaacaat 120
ctccaccatg aaagtgatgc agtttcaggg tatgaagcgc aaagccagtt ctcccgctcc 180
cctacctcca gtcacacacc ttgacctcac cccagccct gatgtgcctc tcaccatcat 240
gaaaaggaaa ctgatgaaca ccaatgatct ggaggagtcc aggcagctca cggaggagat 300
ccagcggcat ctggatgccg ggcacctcat tgagaagtca gtgcgtaaga tcgtctcctt 360
gctggcagcg tccgaggctg aggtggagca gctcctgtcc gagagagccc cgctcacggg 420

```


442

<211> 505

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 450

<223> n = A, T, C or G

<400> 730

ctgggctgat	gaaacggatg	acctggaagg	agatgtttcg	accacttggc	acagtaacga	60
tgacgatgtg	tatagggcgc	ctccaattga	cgtttccatc	cttcccactg	ctccacgggc	120
tgctcgggaa	cccaatatcg	accggagcgc	tcttcccaaa	tgcaccacct	acactgcttt	180
tctaggaaac	ctaccctatg	atgttacaga	agagtcaatt	aagggaattct	ttcgaggatt	240
aaatatcagt	gcagtgcgtt	taccacgtga	accagcaat	ccagagaggt	tgaaaggttt	300
tggttatgct	gaatttgagg	acctggattc	cctgctcagt	gccctgagtc	tcaatgaaga	360
gtctctaggt	aacaggagaa	ttcgagtgga	cgttgctgat	caagcacagg	ataaagacag	420
ggatgatcgt	tcttttggcc	gtgatagaan	tcggtattct	ggcaaaacag	atacagactg	480
gagggctcgt	cctgctacag	acagc				505

<210> 731

<211> 463

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 347

<223> n = A, T, C or G

<400> 731

cctggggctt	ctgtcgctca	ggagttcagg	ggtggacgca	gaaatggggg	aaggagagtg	60
gctacgtaga	gagtgaagac	gagattccta	aaaagatgca	cagagagacc	ctcagagagg	120
ccaagaaa	tggtgagagg	gtagggaagg	agagggaggg	agagagagag	agagaagcag	180
agggaatggg	ttgcaactggc	tgaggatggt	ggaggagccg	tctcaactccc	ttcctaattgt	240
ctatagatca	ataacgaggg	aagaaaggag	gacagggagc	tgatggaaac	acagcttgcc	300
aactgccaa	ggaagaaggt	agggtcgac	tcctgctgt	ggccanccc	ttgttagggg	360
ttggtctctc	actgcagcca	gacaggatga	tcctgggttc	tggggagggg	taagctgcc	420
cttgccgagt	tctgcaccga	ataaagagtc	caaaccgct	gct		463

<210> 732

<211> 459

<212> DNA

<213> Homo sapiens

<400> 732

ctgacatgga	tgtggggcag	ataggccttc	acaggcagaa	ggatgtaaaa	attgtgacag	60
tggagaagaa	agtaaattgag	atcctgaacc	gattagaaaa	gaccaaagtc	gagcggttcc	120
cagaccctagc	agcagagaaa	gaatgcagag	atcgtgaaga	gaggaattgag	aaaaaagccc	180
aaacttcagga	aatgaaaaaa	agagaaaaag	aagaaatgaa	gaagaagagg	gaaattgtag	240
aacttaggag	ctatttcatca	ctaattgaaag	ttgaaaaatat	gtcttcaaat	caggatggca	300

atgattcaga tgaattcatg taaaaggaga aaaggagaaa aggacctttg aaagatgtga 360
 atgtagagac aattgcagac cttttgggtt catctgtgtt ctgaagcata aaatacaacc 420
 aaaattctac cticaccta cccagaaatt attgatattt 459

<210> 733
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 733
 cctttactta ttcagtgaag gtgtctatatt agactaagag gtatttttagt ttcctgactc 60
 gggcatgttg agtaaagcta atttgccagt cctgggtggg ggcaaatcct cgagcttgat 120
 gtgtagggaa gggagggggc ctgaataatc cctgaggagt agtagaatag cagatggaac 180
 actgagaagt tatttccttg aggatagatt tccacgatgg aaaggaaatg agaggttctg 240
 agaggcgggc tagtggttg tactatagca taacctgccg ttgctggtgt gtggcgatta 300
 gg 302

<210> 734
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 734
 ccatgaaagg acaagtatgg agatgaaagc tatcacactg agaatagtgg gatgtagata 60
 gaaagcacct gaattgtgct tctgaattaa ccaatccagg aactgcttta cctttggact 120
 ttttgttatg tgagatatct tttatattgt tccatttgct ttgggtatat gtatattggt 180
 acttgtagcc aaaaagaaac ctctcttagt agaaacaaag ggagagttag gttattcaaa 240
 aattagtatg ggacaattga atatgccttt ttctgcggga gtaggtgggg agaaacttaa 300
 aggttcactt gtaaaacaat aaagtactaa agaaaaaaa aaa 343

<210> 735
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 735
 gacaggggga gggagagcat ctggacaaat acctaagtga tgaggggcaa aactttttgt 60
 attattgttt gttttgtgtt cagttcaaag tcttaaccag ttttattgtc aaataaacta 120
 taaatgttat gggggagatc ttataaattt cctgggcaag agtgtatgca tacaaagttt 180
 tcactttttgt gaaatgtaat ttttctgttt ttgcaaaggg atgaggtgat tggaattgct 240
 ttgaccatgc tgcctttatt ctcaaactgg caaacttagc atgttaggtg tattaacctc 300
 atcagtcttg aagaacatgt ggctcatgag tataacactt ctgtagagga ctccctgaca 360
 aaagtgaaga attaacttct cctccagaac aagtgcattt cagaaggcag ctctgcattc 420
 taccttgctt gactggaatt gtctgaagct ttttctggcc tcttttctct agtcggccac 480
 ccctgaagtg ctgaggtcta agtggtttac ctctgtctga tagatgg 527

<210> 736
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 736
 ctgctgtgct acaacgtcgg tcagaaaatg aagagtttgt tgaagtggga agattggggc 60
 cttctgatta ttttggtgaa attgcactac tgatgaatcg tctctgtgct gccacagttg 120

09920300 033401

ttgctcgtgg ccccttgaag tgcgttaagc tggaccgacc tagatttgaa cgtgttcttg 180
gcccatgctc agacatcctc aaacgaaaca tccagcagta caacagtttt gtgtcactgt 240
ctgtctgaaa tctgcctcct gtgcctccct tttctcctct cccaatcca tgcttcactc 300
atgcaaactg ctttattttc cctacttgca ggcgaagtg g 341

<210> 737
<211> 456
<212> DNA
<213> Homo sapiens

<400> 737
aaaataaata aagaaaaatc ttgtttcctt tggcatcttt agaaaataaa ctacagcaat 60
aaaaagaggt gattgtataa agacatgcgt aagcaaacaat atggggaaaa aacagcaact 120
tgtgttttagt atgtaataat atcagctata agagtttact gtttaattagg aaagccttac 180
aaatttttgg aagaaccttc acatctttaa cattacaata tatttaataa tggttccttt 240
attgcttcta gtatcaagat tattgagaag tcaaatgaag ttatgctgac gttatgattc 300
aaaaattatc ttccaaacat ttaacgatta taatttaaga taaataaacac ttaaagaaaag 360
caaacctttt ataatatgac tttcaatata cagccttact ttaattcagt ctgattccat 420
tacatttttg ttattttgta ttggtcctaa aaattt 456

<210> 738
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 469
<223> n = A,T,C or G

<400> 738
aaacaaacag aagattgttt ttccacatag catggattct ggagatgggt ggctaattgt 60
attggttcaa caactccacg gaggtagggg tcacgtcttg gatccttttg ccttaatctc 120
agtgtctggt acttcatggt cccaagatgg ctgctgtatc cccaagaatc atgtctgcgt 180
tcaaggaagg aggggtggag gaagaggaag ggccaaacta gctggaccog tcaccttcta 240
tcagaaagta aaacctcgtc agaagtctgt ttctgtctct ctccctctgc atatcttcac 300
ttagatgccc ttggcccagag ccagctacca ttgcacctct agctgcaaac aaagctaaga 360
cagcagggaa cagaattgtc atggctgaat agaccaatcg tgttccatct actgagactg 420
gcacactgcc tcttgcaata aaactgggat cccattacca agagagaang cagaattgtg 480
t 481

<210> 739
<211> 192
<212> DNA
<213> Homo sapiens

<400> 739
ccttgaaggg acctcagagc aaaggaagag acctgggtgt ggtgaggcat cccagggcat 60
ggaagggacc gggtgtgctg tgggaatcca ctggcccctc cttgggttaa aaagcacaac 120
acatcataca tatttaccag accagaagcg ctggcccca a gtctccctaa cctggtcggg 180
ggaacctcct gg 192

<210> 740
<211> 456

<212> DNA

<213> Homo sapiens

<400> 740

```

taggtgcctt attggtttat gacattgcta aacatctcac atatgaaaat gtagagcgat 60
ggctgaaaga actgagagat catgctgata gtaacattgt tatcatgctt gtgggcaata 120
agagtgatct acgtcatctc agggcagttc ctacagatga agcaagagct ttgcagaaa 180
agaatggttt gtcattcatt gaaacttcgg ccctagactc taaaaatgta gaagctgctt 240
ttcagacaat ttttaacagag atttaccgca ttgtttctca gaagcaaatg tcagacagac 300
gcgaaaatga catgtctcca agcaacaatg tggttcctat tcatgttcca ccaaccactg 360
aaaacaagcc aaaggtgcag tgctgtcaga acatctaagg catttctctt ctcccctaga 420
aggctgtgta tagtccattt cccaggtctg agattt 456

```

<210> 741

<211> 315

<212> DNA

<213> Homo sapiens

<400> 741

```

ccagataagg ctgacttcag tgctgatgca agttcctttt tggtccttct ctggtaggcg 60
aaggcaatat cctgtctctg tgcattgctg cggttggtca aaatgttgac aatggtgacc 120
tcatccacac ctttgggtctt gatggctggt tcaatgttca aagcatcccg ctcagcatca 180
aagttagtat aggctttgac agacccatat gcacttgggg gtgtagagtg atcacccctcc 240
aagctgagct tgcacaggat ttcgtgaaca gtagacattt tgaaggaagc tgggccgtgc 300
gccgagagct gagag 315

```

<210> 742

<211> 147

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 108, 141

<223> n = A,T,C or G

<400> 742

```

caagacctca ggcataagagt tcaagggcct tgcccacggg ttcagagcta gttcatattc 60
aaaagaaata aagaaaacag tgacttatcc cgctacccaa gcgtgtanag ccgcgcgctg 120
tactgcttcc gatatgtgcc ncagagc 147

```

<210> 743

<211> 330

<212> DNA

<213> Homo sapiens

<400> 743

```

ctgagagcat taagaaccaa atgactgtga aagaatggga gaaagtgttt gagatgagtc 60
aagataaaaa tctataccac aatctttgta ccagcctggt ccctactata catggcaatg 120
atgaagtaaa acggggtgtc ctgctgatgc tctttgggtg cgttccaaag acaacaggag 180
aagggacctc tcttcgaggg gacataaatg tttgcattgt tggtgacca agtacagcta 240
agagccaatt tctcaagcac gtggaggagt tcagccccag agctgtctac accagtggta 300
aagcgtccag tgctgctggc ttaacagcag 330

```

09920360.033401

<400>	746						
tttttttttt	tcaaactgan	aaaggtttta	cttttaagac	aaaaaaaaata	gcattaacac	60	
acatccaaat	gccagtgcag	gagttcactg	ggtttataaa	agagaaaact	aaactcaagt	120	
gtcaataaaa	aactggagcc	gtcaagaatg	actgcttg	gcaacacagg	tgtaacatgt	180	
gcttgctctaa	agtcgttctg	tgtttgtgga	tatgtggaaa	tgcattgacga	gggaaacgat	240	
gcaaggcaaaa	atgacagggtg	ctcaaaagctt	taagatcctt	ttcttcacnc	ttgtgtgctc	300	
ttgttttgct	tttgagaatt	agggtaattc	gcaggtcatt	ttacaaagaa	ctgtaatatc	360	
aaagaacact	tccaaacggc	taaaataggc	tcaaggtcac	tattaaagtg	ataaaggagg	420	
gtcgcgtgggg	gaaaagtgtg	tgttctcaaa	gccagatttc	acaccatggc	aggcactaaa	480	
tctaqtta	tgtgcttgca	gtanaaaaaag				510	

<210> 747
 <211> 312
 <212> DNA
 <213> Homo sapiens

<400> 747
 ctgcctgcct gccagaggcc aagcattcct aagcgtgggc tgggggaggc cctgcccctc 60
 tgtagcagca gagcagacag ggcagtggga gaaccatgtg ggtaggaggg catcaggtct 120
 caagagcctc tcccctgctc aggactgggt ctagacaagg ccacgtgtga taggggtggta 180
 agccctgggc catatggagg agcctggggc ccatcttggg tctgctgctg agttgctggg 240
 tggctttagg caagtcacctt cttgtccctt ggtcactctg tttcctggct agcactgcca 300
 gcaaggcctc ca 312

<210> 748
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476
 <223> n = A,T,C or G

<400> 748
 ccaccacatc gaagaatgcc aatgcctccc tgggtgtactc cttcctgtat aagacaatag 60
 aggtattctg cgaatacttc aaggagctgg aggaggagag catccgggac aactttgtca 120
 tcgtctacga gttgctggac gagctcatgg acttttgctt cccgcagacc accgacagca 180
 agatcctgca ggagtacatc actcagcaga gcaacaagct ggagacgggc aagtcacggg 240
 tgccacccac tgtcaccaac gctgtgtcct ggcgtccga gggatatcaag tataagaaga 300
 acgaggtctt cattgatgtc atagagtctg tcaacctgct ggtcaatgcc aacggcagcg 360
 tccttctgag cgaaatcgtc ggtaccatca agctcaaggt gtttctgtcg ggaatgccag 420
 agctgcggct gggcctcaat gaccgcgtgc tcttcgagct cactggccgc agcaangaac 480
 aatcagtag agctggagga tg 502

<210> 749
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 749
 cctggagata aagtcacctc aattaaacca aacgctgggg aagaatctgt catgaatctt 60
 gacaaattga gatttgctga tggaaagcata agaacatcgg aactgcgact cagcatgcag 120
 aagtcaatgc aaaatcatgc tgccgtgttc cgtgtgggaa gcgtgttgca agaaggttgt 180
 gggaaaatca gcaagctcta tggagacctc aagcacctga agacgttcga ccgggggaatg 240
 gtctggaaca cggacctggt ggagacctg gagctgcaga acctgatgct gtgtgcgctg 300
 cagacctct acggagcaga ggcacggaag gagtacggg gcgcgcatgc cagggaagac 360
 tacaaggtgc ggattgatga gtacgattac tccaagccca tccaggggca acagaagaag 420
 ccctttgagg agca 434

<210> 750
 <211> 493
 <212> DNA
 <213> Homo sapiens

09520300.03401

<400> 750

```

ccaagacagc taacaaggac cacttggtta cagcctataa ccatcttttt gaaactaagc 60
gttttaaggg tactgaaagt ataagtaaag tgtctgagca agtaaaaaat gtgaagctta 120
atgaagataa acccaaagaa accaagtctg aagagaccct ggatgagggg ccaccaaagt 180
atactaaatc tgttctaaaa aaggagagata aaaccaactt tccccaaaag ggagatgttg 240
ttcactgctg gtatacagga aactacaag atgggactgt ttttgatact aatattcaaa 300
caagtgcaaa gaagaagaaa aatgccaagc ctttaagttt taagggtcgga gtaggcaaaag 360
ttatcagagg atgggatgaa gctctcttga ctatgagtaa aggagaaaaag gctcgactgg 420
agattgaacc agaattgggt tacggaaaaga aaggacagcc tgatgccaaa attccaccaa 480
atgcaaaact cac 493

```

<210> 751

<211> 454

<212> DNA

<213> Homo sapiens

<400> 751

```

ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccattggg atgtcctgat ccaacatcga ggtagtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctgtt atccctaggg taactcggtc cgttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt gggttctgct ccgagggtcg cccaaccgaa atttttaatg cagggttggt 360
agtttaggac ctgtgggttt gttagggtact gtttgatta ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt catgcccgcc tctt 454

```

<210> 752

<211> 223

<212> DNA

<213> Homo sapiens

<400> 752

```

cctttcctac aggggtctgag aaggccaccg cagtcatttc ttcccttctg tcagacataa 60
ttcctcagtt tagccttccc acctctatac agtctgataa cagaccagcc ttcattagtc 120
aaatcagcca agcagttttt cagggtctta gtattcagtg aaacctttat atcccttacg 180
gtcctccgtc ttcaagaaaa gtagaacgga ctaaagggtc ttt 223

```

<210> 753

<211> 422

<212> DNA

<213> Homo sapiens

<400> 753

```

ctgcagccgc tgcagctact cctgctgtcc gcaccgttcc acagtataaa tatgctgcag 60
gagttcgcaa tctcagcaa catcttaatg cacagccaca agttacaatg caacagcctg 120
ctgttcattg acaaggctcag gaacctttga ctgcttccat gttggcatct gccctcctc 180
aagagcaaaa gcaaatgttg ggtgaacggc tgtttcctct tattcaagcc atgcacccta 240
ctcttgctgg taaaatcact ggcattgttg tggagattga taattcagaa cttcttcata 300
tgctcagatc tccagagtca ctccgttcta aggttgatga agctgtagct gtactacaag 360
cccaccaagc taaagaggct gccagaaaag cagttaacag tgccaccggg gttccaactg 420
tt 422

```

<210> 754

<211> 502

09520300 073104

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 496, 497
<223> n = A,T,C or G

<400> 754
ccatcttcgg accccccaac accctctacg aaggcggcta cttcaaggcg catattaaat 60
ttcctattga ctaccctat tcaccaccta cttcagatt cttgaccaa atgtggcacc 120
ccaacattta tgagaatgga gatgtatgca tticgattct tcatccgcct gtagatgacc 180
cacagagtgg agaactgcct tctgaaagggt ggaatcctac tcagaatgtg aggactatcc 240
tattaagtgt aatctcactg cttaatgagc ccaacacctt ctcccagcc aatgtcgatg 300
cttcagttat gttcaggaaa tggagagaca gtaaaggaaa agacaaagaa tatgctgaaa 360
ttattaggaa acaagtttca gccactaagg ccgaagcaga aaaggatgga gtgaagggtcc 420
ccacaaccct ggcggaatac tgcatacaaaa ctaaaagtgc ctttcaatga caacagctca 480
gatttgcttt acgacnctt gt 502

<210> 755
<211> 322
<212> DNA
<213> Homo sapiens

<400> 755
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctccccct tctccttttg gctgggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctgccttctt ggaggggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccatcc 240
tctatcatca acgggtacaa acgagtcctg gccttgctctg tggagacgga ttacaccttc 300
ccacttgctg aaaagggtcaa gg 322

<210> 756
<211> 268
<212> DNA
<213> Homo sapiens

<400> 756
aaagaaaaaa agtaaatcca ctttatgggtg gacttcagct atggacaaat ttgggatcag 60
tggtctccag tctgaacata gtcttctgtt acctgggaga gagtggtcag gtactgccag 120
ctcagggcag ccaaaagcat gacaaatgac aggtagatgg gggagtagtg gcttcgggaa 180
atcagctgac agttgggaag attctgcgtc cggatggtgg agatgatctg ctttggtttg 240
ctagaagatg ggtctgagtc ggggattc 268

<210> 757
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 354, 366
<223> n = A,T,C or G

09920300-073401

<400> 757
 cctgacattc ctgccttctt atattaataa gaaaaataaa acaaaatagt gttgaagtgt 60
 tggggcggca aaaatttttg ggggtggtat ggagagagaa tgggcgatgt ttctcagggc 120
 tgcttcaagc gggattaggg gcggcgtggg aacctagagt gggagagatt aagctgaatg 180
 gaagatcttg tggtaagggg tgatattgtg gggttgttag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt gtatgaattg aaaaatggaa taagagaagg 300
 agagaaacag gtataaaagg tntaagaatt gggaggacct agacatctga ttanagagtg 360
 cctaangagg ttcagcatag tccttcacagc a 391

<210> 758
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 450
 <223> n = A,T,C or G

<400> 758
 ccacagctaa catcattgca gcacctttac tccttcgggt tctttttgcc agcaccaaca 60
 ttggcctttg cagtccccct gactttcttc attctgttct tgcgttcctt tcgttgcttt 120
 cttgaggtct ttttcttctc atacaggcca tgtcttgcaa gtctatgttt gggttcattt 180
 ttctttgcat aatccagggg atcataaatc atgccaaagc cagttgtctt gccaccacca 240
 aatgagttc tgaatccaaa tacaaagatg acatccgggt tggctcttgta cattttggct 300
 agtttttccc gaatttctgt cttaggcact gtgcgccttc cgggggtgaag gacatcaatg 360
 accatttggt tcctctgaag tagtcggttg gtcatgaact ttctagtgcg gatagttacg 420
 gtgtcgttca tgatggcgat ctatcttcac 450

<210> 759
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 759
 ccagccatct gggtttcagcc ggaagctaac accctcattc tgagtccagg ctagtgggtg 60
 gtggctgagg acccagttgg ttgaggagtc caactagaaa ccaggagagg tagcagaata 120
 attaaacccc tataggggtg gcaagggcct ctggccctgg gtggaatgtc ccatttcctt 180
 catcactgag tgggcttccc caaggcagaa aggtttgtcc cggagcaaga attttgtttg 240
 aatgcgtgta acttaaatta accttggtga cctctgctca gctccgctcg gctctgcccg 300
 atgagctcca tccaggctcc gcttgccggg ggaaaagggt ccttagaagc cggcaatgag 360
 ctccatcccc acgcgggtgcc agtgtgcctt ccgctcacc ctcggagggg tgatgaagg 419

<210> 760
 <211> 396
 <212> DNA
 <213> Homo sapiens

<400> 760
 ctgaggccga gcccaactag gtccctgggca cccctgcagg tgggagtggc ccttgctctc 60
 ctggtatcca gcagacaccc cctctctccc accagcccca ttctcaggtc ctttcctctt 120
 tgtcaccaac accaagaatc tgtccagggt tcttggttta tcttttatct cttttcactc 180
 ctagagagga attgcaattg actcagaatg acacattttg gcaccacgtg tgtagaaagc 240
 cccactgtt agatgatagc ctctgtgaaat tcatgtttct gtattctcct atttcttttc 300

aaaaactaat ttttttttta gtgtaataaa tcctaagagg gaactgattt aagaaacaag 360
gcccgcacaaac aaaggcagca gttccgactc cagcag 396

<210> 761
<211> 362
<212> DNA
<213> Homo sapiens

<400> 761
ctggtgccca ttgctgttgt tcttgatgcc agcagctatt ttacagaagc agtccaggaa 60
gactttatca tcaccactgt gatcttcac atatttatca aagttgcagt atggtttgaa 120
tcgctccacc aagatctgca ttttctccac ctctccaaag gaaaggtacg ggatgatgcg 180
aagcaggccc tggagcacac tgggggttga gcgaacaaag gtgctgttga tctggtccaa 240
gagcatcacc agttgatcct tgtcacctgt caggaggagg ttgcccttgt cctcactcag 300
gggctcagca ttggactcat ctagaatgat ctccatgatg ctaagcacct gctcagccac 360
ag 362

<210> 762
<211> 439
<212> DNA
<213> Homo sapiens

<400> 762
ctgaccagca ccatggcggg tggcaagaac aagcgcctta cgaaaggcgg caaaaaggga 60
gccaagaaga aagtgggtga tccattttct aagaaagatt ggtatgatgt gaaagcacct 120
gctatgttca atataagaaa tattggaaag acgctcgtca ccaggaccca aggaacccaa 180
attgcatctg atggtctcaa gggctcgtgtg tttgaagtga gtcttgctga tttgcagaat 240
gatgaagttg catttagaaa attcaagctg attactgaag atgttcaggg taaaaactgc 300
ctgactaact tccatggcat ggatcttacc cgtgacaaaa tgtgttccat ggtcaaaaaa 360
tggcagacaa tgattgaagc tcacgttgat gtcaagacta ccgatgggta cttgcttcgt 420
ctgttctgtg ttggtttta 439

<210> 763
<211> 449
<212> DNA
<213> Homo sapiens

<400> 763
cctcggagga gagcgccctc aaccacctcc agaaccggg cgacgcggcc gagggccggg 60
cggccaagag gtgcgagaag gccgaggaga aggccaagga gattgcgaag atggcagaga 120
tgctggtgga gctggtccgg cggatagaga agagcgagtc gtcgtgagcg cggtcggcgg 180
tttccagcca atggattctg gtcaactggg ggagattggc tgacaccctg gagaagccga 240
aaccagagag ccttttgttt tctctttttt cctgtctatg ctctgtctca cttaacacta 300
cgttttctgc tatggtctgt ggttgatgac ctcaatatga gtttcgattg ttaacgtgtt 360
tttgtttga aagtaatttt gtttgaaaa gctctcacat acaggaatta gggcctagat 420
tgtaagctct tgcagcagtc acatttggt 449

<210> 764
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

09520300.073104

<222> 431, 455

<223> n = A,T,C or G

<400> 764

```
ccaggctggt ctcaaactcc tgacctcagg tgatccgccc accttggcct cccaaagtgt 60
tgggattaca ggcaggagcc accgtgcccg gccgaatctt attcttactg gttactgtag 120
aataatttca gtctgtgcc ttatgattct gaatccaatt atataaagga aaataacttt 180
tcatgtgaat gtaaaatggt tacacacata agtaagacag ttacaagac aaactggtct 240
acacagacaa aggtctatat taaagttcaa tctggaccct agaattcttg tcatgggcct 300
cttgtgaaga gtctgcccta ctcaggaatg ggcacatggg ttaacaattt tcaattattt 360
actgagggag tggagtatag atgtagggag gtgaaattac cattcctggg aataaatgta 420
ggattttaat ngaatgatag aatttattgt acaantcaca ttggtgagtc ttattcaggt 480
attaggctta actatttaga 500
```

<210> 765

<211> 363

<212> DNA

<213> Homo sapiens

<400> 765

```
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaagggt caccaagtct gccagaaaag 360
ctc 363
```

<210> 766

<211> 295

<212> DNA

<213> Homo sapiens

<400> 766

```
gtgcaaccga gagacaacat tagattagct gtgcactttg caagaagagg ggaagaggac 60
aatacgttca tctgagagc tgcttctgag aacctcaggg aagaagtcta gaaccctgat 120
ctacataaag tgacagatga cggactcgtt gtggaggact cctgaagtag tgtccctgat 180
tagaatgctg atttcttccc caaagggtgat gtgggcacag aactgagctg tgtgaatggg 240
aggccaaata agctctgctg aatttgctct ggcagcccaa gtccttaagg tgagg 295
```

<210> 767

<211> 210

<212> DNA

<213> Homo sapiens

<400> 767

```
ctggttatcc gagaagttcc gaggattctc cttggatttc ttagggaacc agttgggatac 60
cccagagaag agcccatcat ctggggctac tgccagccca cccagattca tcagcgtccg 120
ctgcacacag gccatgttct ttcttccca gaggtccaca gtttggaaga tgcagtggt 180
gttaatgcc tagcgctcag acctgcccgg 210
```

<210> 768

<211> 460

<212> DNA

05920300-073404

<213> Homo sapiens

<400> 768

```
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
ggcattaggg ataataattca tttagccttc tgagctttct ggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagacctgc 460
```

<210> 769

<211> 251

<212> DNA

<213> Homo sapiens

<400> 769

```
ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
ataagctctt c 251
```

<210> 770

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 478

<223> n = A,T,C or G

<400> 770

```
cacgccgccg cttgtgctgc agccatgtct ctagtgatcc ctgaaaagtt ccagcatatt 60
ttgcgagtac tcaacaccaa catcgatggg cggcggaata tagcctttgc catcactgcc 120
attaaggggtg tgggccgaag atatgctcat gtggtgttga ggaaagcaga cattgacctc 180
accaagaggg cgggagaact cactgaggat gaggtggaac gtgtgatcac cattatgcag 240
aatccacgcc agtacaagat ccagactgg ttcttgaaca gacagaagga tgtaaaggat 300
ggaaaatata gccaggctct agccaatggg ctggacaaca agctccgtga agacctggag 360
cgactgaaga agattcgggc ccatagaggg cctgcgtcac ttctggggcc ttcgtgtccg 420
aggccagcac accaagacca ctggccgccg tggccgcacc gtgggtgtgt ccaagaanaa 480
ataagtctgt agg 493
```

<210> 771

<211> 552

<212> DNA

<213> Homo sapiens

<400> 771

```
aaatatgaat ggcaaatttt ggttttttagc ttttacattt tattatctta attttataaa 60
tgctaataatt tcttttgtga taagttatag catctcataa agtttgttct atttgaagtt 120
tttttagagta cttgagaaat gaatttagtc tgcaggtagt aagtatgcta ctaaaatacg 180
```

ttagatctaa atccttttat ttggtataaa aatgcaatat tgagaatcaa aacttgtttt 240
 taagagaact atagattcta cacaacctga tttcaagtaa ttattcatag tatttatagt 300
 tgtcttgga aagtgattgt aaaattctgt aggacctatt cacacttctt ccttcttcca 360
 tatacttctc tggttttccc catagttccc ctataatttc aagtttggtg aaacctgtta 420
 attttagtgg gggattagaa gaaaaacttg gtggtttctt agcatgatgg tgtatgtatg 480
 tggtaatgga aagtctgtaa aagtaaatat agtgtagcaa aaaagatttc actgagtatt 540
 ttagatacta gt 552

<210> 772
 <211> 487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 444, 486
 <223> n = A,T,C or G

<400> 772
 aaaatttcat cataggaatt tgggtgacct tttgcaactca gtattaaaaa aaaccatcaa 60
 gttgctcttt ggaacagtag catttaggtt tgtttttttt tttttgtcac acttgtttat 120
 ttctttggga tgttgctgtg tgtcatggaa gaaacgctcc cctgaaaact gtaaccaaac 180
 aaagtttggt taaaacaaag ttggttcctt tgttttcatg gaaatgtcag acaactatga 240
 aaagctaagg aagcatgttg aactgaaggt ctggcttttg taaattaggc agagatgttc 300
 tcagcagcaa acaggtaaaa tctgacatcg agaagcatta ttttaatgta ggaccagtta 360
 taatcttaaa gaactgacta gggttctaaaa taatagaact gagaaatagg actgagaaat 420
 gaccaacatc aagtataata cggnacactt agcacttggt tctatagaaa acatttcaaa 480
 tcaagnt 487

<210> 773
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 773
 ctgcttccat tgggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
 tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcaactcaaag 120
 cttcatgggt catttcgaca gattttactt ccgttgtaac gttgactgga gcaaagggtga 180
 ccaccatacc gggtttgaga acaccagtct ccaactcggcc aacaggaaca gtgccaatac 240
 caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
 gtggtaggat gcagtccaga gcctcaagca gcgtgggtcc actggcattg ccatccttac 360
 ggggtgacttt ccatcccttg aaccaaggca tgttagcact tggctccagc atgttggtcac 420
 cattccaacc agaaattggc acaaattgcta ctgtgtcggg gttgtagcca attttcttaa 480
 tgtaagtgtc 490

<210> 774
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 422
 <223> n = A,T,C or G

<400> 774

```

ccactagagg tctgtgtgcc attgcccagg cagagtctct gcgttacaaa ctcctaggag 60
ggcttgctgt gcggaggggc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
ggggcccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aacccaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt gggaagccag 420
anccgcctgc catgccccag ccagtcccca cagcataaca gggctctcctt tggcag 476

```

<210> 775

<211> 419

<212> DNA

<213> Homo sapiens

<400> 775

```

ccagcttctt gaccagtttt ttattcttgt tgagtttttt cagcgcctcg atgtccatgt 60
gggggatatc cacggcctta gcctcgtcac agtgctgctg gtccccagg acacacacag 120
agaacttagg gcggggagtg gacttaagcc tgacgggtgcc cgagaagcgc ttgtccttct 180
ggggatcata gttcttcaag ctgatctgca actccaccgt ctccaggaac ttgcggcgct 240
tgcgccttta gtgatgatga ttaaagggtg tggctgtggc cttgaaaata gtcatgtgaa 300
aactcatcac cttaagggtg taagtgtaa gatcttcacg atgaaatttc tgtaaattgt 360
gcagtcagcc tcagtttcca aagccggaaa aggatcctct agtagccacg gtgtggcag 419

```

<210> 776

<211> 400

<212> DNA

<213> Homo sapiens

<400> 776

```

ccacagacgt cattcgctgg actccctggg cactaaatga gtgtctagca tccttaaggc 60
tgctcaacac acagccccag actctgaata tgattccaag aaatattctg aaaaaagtc 120
catcgctgga ataaacagtt tcccaagata actgctttga aaaccagtcc cgtttagtttc 180
taaaagccca cctacggcac ctctcttcca tcagagtctg ctgcccgggt gggctgggaa 240
ggagggagat acaaagaaga aagtaggcat gatcactggg tcggttccca agccaccctc 300
accctccaag aaggcatgaa tggacaacc ccgagaacag agcacgtgtg aagaaccaac 360
acgacaggca cgggatggca gcaactggtg aaggagggca 400

```

<210> 777

<211> 398

<212> DNA

<213> Homo sapiens

<400> 777

```

ccaaaggggt ctctagctgc tgctctgctg ctccctgctca tggatgagtt tggcgatggg 60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcatgatt 120
ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat 180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ttagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcagtctg acatctccct gcttcgcctg ctggcggggc ctgctgcctc 360
agtctgcctc ctctccagca gggctctggg gcctgggc 398

```

<210> 778

09920300.073101

<211> 462
 <212> DNA
 <213> Homo sapiens

<400> 778
 atcgccatca tgaacgacac cgtaactatc cgcactagaa agtccatgac caaccgacta 60
 cttcagagga aacaaatggt cattgatgtc cttcaccocg ggaaggcgac agtgcctaag 120
 acagaaattc gggaaaaact agccaaaatg tacaagacca caccggatgt catctttgta 180
 tttggattca gaactcattt tgggtggtggc aagacaactg gctttggcat gatttatgat 240
 tccctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca tggcctgtat 300
 gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat gaagaaagtc 360
 agggggactg caaaggccaa tgttggtgct ggcaaaaaga agtgagctgg agattggatc 420
 acagccgaag gagtaaaggt gctgcaatga tgtagctgt gg 462

<210> 779
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 779
 ctgacaagcc cttgcgcctg cctctccagg atgtctacaa aattggtggt attggtactg 60
 ttctgttg cagagtggag actggtgttc tcaaaccocg tatggtggc acctttgctc 120
 cagtcaacgt tacaacggaa gtaaaatctg tcgaaatgca ccatgaagct ttgagtgaag 180
 ctcttcctgg ggacaatgtg ggcttcaatg tcaagaatgt gtctgtcaag gatgttcgctc 240
 atggcaacgt tgctggtgac agcaaaaatg acccaccaat ggaagcag 288

<210> 780
 <211> 470
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 400
 <223> n = A,T,C or G

<400> 780
 gggcaacaag agcaaaactt cgtctcaaaa aaagaaaact ggctagaatg cacttcaact 60
 taagtcctgg gagctacgct aattcatgga gaaccacaga ggtttaatag gcatttctat 120
 acctggatca gcccgaagga cagtattacc ctgtactgcc ctctctatta ctattttcag 180
 tcatttacta atattgggct gtagtacttt cacgtttaag ctttggctat tcagagctca 240
 ctacgtttta tcttcagtta cctgaatggt gtttaccttc tgggtgtggat catcccggt 300
 tgtgttagtg ctctctcttt ggaagaagcc aggatttaag atcgagttag cctagatgtg 360
 gccagcagg gtacagaagg ggaagggctg cagaaaaccn ggcgtatttt cgtgcaaaga 420
 ggtttttgcg ccattttatt atggttttca ccgtcgtatg agaggaccag 470

<210> 781
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 99

09920300.03101

<223> n = A,T,C or G

<400> 781

```

aatcaataa gtaatctagg actagcatta tgtttgctag acctggcatt tgctcggtac 60
ataaggttca aagtttcctt tccttttttt atttatttna ttttttgcaa tgtttttttt 120
ccataatatt taagtttttc gatgtttaga ttttttctt cggatgaagca caagtttctt 180
ttcatgggtcc ctgatcaatt ttaaaccagt ggaacaccgg tggcactgtt aactgctttc 240
tgggcagcct ctttagcttg gtgggcttgt agtacagcta cagcttcatc aaccttagaa 300
cggagtgact ctggagactc gagcatatga agaagttctg aattatcaat ctccaacaac 360
atgccagtga ttttaccagc aagagtaggg tgcattggctt gaataagagg aaacagccgt 420
tcacccaaca tttgcttttg ctcttgagga ggggcagatg ccaacatgga agcagtcaaa 480
ggttcctgac cttgtacatg aacagcaggc tgttgcatg 520

```

<210> 782

<211> 437

<212> DNA

<213> Homo sapiens

<400> 782

```

caggctctgca tacctgcaac acttatgcta ccgcaatgac aaggatgaaga ctgacgtgcg 60
gaagctcaag ggcattccag tactggtggg attgttagac catcccaaaa aggaagtgca 120
ccttgaggcc tgtggagctc tcaagaatat ctcttttgga cgtgaccagg ataacaagat 180
tgccataaaa aactgtgatg gtgtgcctgc ccttgatgca ttgcttcgaa aggtcgtga 240
tatggacctt actgaagtta ttaccggaac cctgtggaat ctttcatccc atgactcaat 300
caaatggag attgtggacc atgcactgca tgccttgaca gatgaagtga tcatcctca 360
ttctggttg gaggcgggaa ctaatgaaga ctgtaaacca cgccatattg agtgggaatc 420
ggtgctcacc aacacag 437

```

<210> 783

<211> 492

<212> DNA

<213> Homo sapiens

<400> 783

```

aaaagttgag gagtttatta gggaaatatg agaggcatag aactccaag tgacagaaag 60
aaaagtctga aaatgtccct tcaagccaag tgggggcctg gccttgacct ctccaaatca 120
acaagaaact ggtgggttag caacaacatt ctctggcagc cacattgcca gggcatgagt 180
gtcttgacca ggactgccc gcaacttcca ccaaggtgg ggaggagaca aagactgttc 240
acagaagcag tgcaaaggca atgagaactt taaggaaagt ttgagagaga gagaaagaaa 300
gatagaggtg aggaggacct tcacaaagag tccaggcctt ttggctgtga atgtctcaa 360
tacattgaca agtagatgta taaaatgtta ctgaaaagg aaaatgccta acgtcgtttc 420
caacggttcc tctgaacttc tccccacata ccacaccaca cccagatgg cagagcccaa 480
aggccacact tt 492

```

<210> 784

<211> 516

<212> DNA

<213> Homo sapiens

<400> 784

```

ccaaaagaag taagacagct tgctgaagat ttctgaaag actatattca tataaacatt 60
ggtgcacttg aactgagtgc aaaccacaac attcttcaga ttgtggatgt gtgtcatgac 120
gtagaaaagg atgaaaaact tttctgtcta atggaagaga tcatgagtga gaaggagaat 180
aaaaccattg tttttgtgga aacccaaaaga agatgtgatg agcttaccag aaaaatgagg 240

```

09520300-073404

agagatgggt ggctgccat gggatatccat ggtgacaaga gtcaacaaga gcgtgactgg 300
 gttctaaatg aattcaaaca tggaaaagct cctattctga ttgctacaga tgtggcctcc 360
 agagggctag atgtggaaga tgtgaaattt gtcacatcaatt atgactaccc taactcctca 420
 gaggattata ttcacgaat tggagaagact gctcgcagta ccaaaacagg cacagcatac 480
 actttcttta cacctaataa cataaagcaa gtgagc 516

<210> 785
 <211> 457
 <212> DNA
 <213> Homo sapiens

<400> 785
 ccacaaacac ctctcggcgg ccaggctggt tcagtcgacc acggcacact tccccaaatt 60
 cccagctcc gatcacctcc tcgatcttga cgcaggacac gtcgatctcc ttggcaaact 120
 cccgaacagc ctcattaggg tcctcgtagg taaaagggtc aatataaacc ttcattccag 180
 gagcaactgg agggagaaga ggtgggcgtg agagggtaac gtcaagccag cctctccctg 240
 cgatgggcac agctccagca ggctccctgc tgagcccagc cccatattcc tctgtgttgc 300
 tgccctaata ctccagctcc catgagaact cctggtgacc ataaaggcta gacacctagg 360
 atttactacc tagtttttct ctctcatctc tcatcacatc cagacctctc tcagattcat 420
 gcctcccctg gttcccactg ccccgacctt gtccagg 457

<210> 786
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 786
 aaaatgagcc gggcgcggtg actcacgcct gtaatccag cactttggga ggccaaagca 60
 ggcggatcat gaggtcagga gatcaagacc atcctggcta acacggtgaa acccgtctc 120
 tactaaaaat acaaaaaatt agccgggtgt ggtggcgggc acctgtagtc ccagctactc 180
 gggaggctga ggcaggagaa tggcgtgaag ccgggagggt gagcttgagc tgagccgaga 240
 tcacaccact gcactccagc ctggacaaca aagcaagact ctcaaaaaag aaaaaaattt 300
 tttttt 306

<210> 787
 <211> 480
 <212> DNA
 <213> Homo sapiens

<400> 787
 ctgctgcttc agcgaagggt ttctggcata accaatgata aggctgcaa agactgttcc 60
 aataccagca ccagaaccag ccactcctac tgttgcagca cctgcaccaa taaatttggc 120
 agcagtatca atgtctctgc tgattgcaact ggtctgaaac tccctttgga ttagctgaga 180
 cacaccattc tgggccccat taaataccgt agagccctct ccagtcctac tagcctctgg 240
 tcgagataac actgatgcag aaattgggtct gtatgcaact ctggatccag ctcgatcag 300
 agctgctcct gctgctgctg cagccccagc taagggttgaa gccaaggaag agtcggagga 360
 gtcggacgag gatatgggat ttggtctctt tgactaatca ccaaaaagca accaacttag 420
 ccagttttat ttgcaaaaca aggaaataaa ggcttacttc tttaaaaaaa aaaaaaaaaa 480

<210> 788
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 788

```

ccttcttttg ctccacctag tatgataatc atgggttctg ttttagttga tgagaagtgg 60
ctcctatgaa tgcctctgct caatttcttt ttattttact ttattttatt tttaggggtc 120
tcgccaactc ctgggtctca gtgattctcc tgcctccacc tccccacagt gctgggatta 180
caggcatgag ccaccacgcc tggctctctg ttcttttcag tgtctccgtg ccatcagtca 240
gcagtgttta catgttttagc atattgtcat gcagtttctc ttctgttccc acgagatatt 300
tttgacaaa aaattgacaa aagtacatgt gtttttcccc acctatccct tagaaaacct 360
aatgtgtact gctattttt 379

```

<210> 789

<211> 262

<212> DNA

<213> Homo sapiens

<400> 789

```

ccaaaaaaat taaacaaaat ctcttggttt cctttacagt ttcttttttt gcgtttttatt 60
tttttcaaat tgcattttac agtagaaatg cagaccactt tggatagcta tggctcgata 120
cttctgggtg cctcctcct aagacatcct cttcttacat tccactgaac agaaaacctat 180
cccttctact ggcatagaact tctgccaat gaggcatttg ctgcagcaag agcacagaaa 240
gcactctgtg gatgcatgcc ag 262

```

<210> 790

<211> 365

<212> DNA

<213> Homo sapiens

<400> 790

```

cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggatgacac acgttccacc tcctcctcag tgagtcttcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcgggc 360
cacac 365

```

<210> 791

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 287

<223> n = A,T,C or G

<400> 791

```

ttggtgctcc cctctgatg agaaaagggt tactgttgca ggtgctaagg aaggctgctc 60
ttctgtcact ctgaagttgc ttggagggat gtcccatgc agactctctc ccagccctcc 120
actcagggaa ggtctgtctg taccactgc cctctatagc agaaaacttg cactcctgaa 180
tgcttttttt ttttttttt tcaagaaaga agtggctgtg gactcaacta gattcttggg 240
ttgaaaaagc caaacatat tggctactga ttgtcacatt ggggttanaaa tgtccattca 300
tgatctccct taagctgcac acaaccctat gaaataacta ccattatcta ccctattttg 360
ctaaagctca aagagattaa ataatgttga cagggatcct agccttgaac tcaactgaagg 420

```

09920300.073101

tgttta

425

<210> 792

<211> 427

<212> DNA

<213> Homo sapiens

<400> 792

```

gtctttacaa aattcctgac aggtgggttac tgaatctctc tatgaacttt ccattcaaaa 60
ctttccaagt ttttccttat gtggaaccga aatctttctt tctcccgta aactttacta 120
ctatcagata attgaagaca gatctctttg tattctcttc aagcccaaac caattctgtt 180
ccttcaatct aaatagtggg aatatgaatg ttttaagaaat gaaataagaa acatgtgcag 240
gcactttgga aggtgctaag tgactgccct aaggaatgaa aagcaagggc caggtgggag 300
tagccagcgc aaggcacttg ggctgccagg aacaggaggc gtgggaaact ctggcttagg 360
aaaacatgaa cacaggggca acagaggcaa actgttggtc gagttaaata taaatctcag 420
gctctttt                                     427

```

<210> 793

<211> 253

<212> DNA

<213> Homo sapiens

<400> 793

```

aaatccacta gccatgctca aaaaaaata ttcttcatgt ttttaatttta tacaatggct 60
agcaggcacc ttagtaacca gccagaaatc aatttcaacc accatcaacc cctaaactac 120
agtaccagga tggctggcta aagaaaggaa acggactggc tgcagtctga cgcgtgccca 180
gtacaagggtg tctggctgac ttigtccata ataaggctaa cattagttaa ctaagaacag 240
cgtcacgtgg tgg                                     253

```

<210> 794

<211> 373

<212> DNA

<213> Homo sapiens

<400> 794

```

gtccctatga attgtacgtt tcagagaaat ttttttccct atgtgcaaca cgaagcttcc 60
agaaccataa aatatcccggt cgataaggaa agaaaatgtc gttgttggtg tttttctgga 120
aactgcttga aatcttgctg tactatagag ctcaagaaga cacagcccgt cctcccctgc 180
ctgcctgatt ccatggctgt tgtgctgatt ccaatgcttt cacgttggtt cctggcgtgg 240
gaactgctct cctttgcagc cccatttccc aagctctgtt caagttaaac ttatgtaagc 300
tttccgtggc atgcggggcg cgcacccacg tccccgctgc gtaagactct gtatttggat 360
gccaatccac agg                                     373

```

<210> 795

<211> 442

<212> DNA

<213> Homo sapiens

<400> 795

```

aaaagtagtt agcatttaat gaaactccct ccatgtgggt tcaagccacc aggacacagg 60
ccccccaac actcttaatc ttctctcag ctcttctgct gaagaatttg gccttcacga 120
tgacaggctg ctttgggagc tttccctttc ccagaacttt atagtagccc gatcgacca 180
catcaatgat gggagcagcc ccagtcttgt ttttagcagc attcaccctg gtctgttcac 240
tgaccaaagt ccacaatttg tcaaggttga cagttgggca gaagctctgg ttctctctta 300

```

09900300-073104

```

agtggtaatg cttcatacca actttcccaa agtagcctgg gtggatattg tcgaagttga 360
tccgggtggg atgcagacca ccagcattac cgcggccgcc ggggtgcttc cggtgcttgc 420
ctatgcggcc gtggccgtgg ct 442

```

```

<210> 796
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 316
<223> n = A,T,C or G

```

```

<400> 796
ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60
ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
cgaaggagat ctgggtctccc acaatgaagg tcttgccctcc ctggttctgg gacagcaggg 180
tctcaaaaagg cttcagttgc ccgggcagtg ccttcacata gtcattccttg cccgcctcat 240
agttgggtga gatgaggagg atgtatttgc agcggaggtc ctccacgccg tcattcacca 300
tgtccaccag ggctgnctcc tgctggtcct tcccatagag cccaagggtg cggcccag 358

```

```

<210> 797
<211> 83
<212> DNA
<213> Homo sapiens

```

```

<400> 797
aaaattaaaa ttaaattcccc tccctccagc acacaaaaaa aaaaaacaca caacattaga 60
ggaatgccaa aaatattctc tat 83

```

```

<210> 798
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 798
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggtgg gagaactcac tgaggatgag 120
gtggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtccttagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttcggggccca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

```

```

<210> 799
<211> 67
<212> DNA
<213> Homo sapiens

```

```

<400> 799
cctcccaagc ccagggtggac aagtcagact atgacatggt ggattatctg aatgagctaa 60
gggaaag 67

```

09920300.073101

<210> 800
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 426, 427, 454, 456
 <223> n = A,T,C or G

<400> 800
 cctacacgat ttactgccaa aacagagtgg agtacgagaa aaggggtccga gcacaagcca 60
 agaagtttgc gccctcataa gcagcgacct tgtggcatcg tcaaaaggaa gggattgggt 120
 tggcaagaac ttgtttacaa catttttgca aatctaaagt tgctccatac aatgactagt 180
 cacctggggg ggttgggcgg gcgccatctt ccattgccgc cgcgggtgtg cgggtctcgat 240
 tcgctgaatt gcccgtttcc atacagggtc tcttcccttcg gtcttttgta tttttgattg 300
 ttatgtaaaa ctgcgttttta ttttaaatatt gatgtcagta tttcaactgc tgtaaaatta 360
 taaactttta tacttgggta agtccccag gggcgagttc ctgcgtctgg gatgcaggca 420
 tgcttnntca ccgtgcagag ctgcacttgg cctnan 456

<210> 801
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 801
 ctggagacac tttagaactc tttcccatc ctccaccata gtgcaaacctt cacgcttctc 60
 tgagcacctc caaggtatgc ccttgaagtg aaacagaaaaa gggaagaaag ggggcttttt 120
 cttttccatt tctgaccaa cagaggtctg aaat 154

<210> 802
 <211> 446
 <212> DNA
 <213> Homo sapiens

<400> 802
 ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttggtt tcacattaca 60
 gacctcccc caccocaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
 attcacaggc tggagggttg aacttgagta agacatttat aaaaacctag acggggcagt 180
 gtcctcccca gccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
 gctggacact caaggttttg gagtataagc accccacttc tgggtcaggg atttggggag 300
 tagggtaaac aaaacctact tggaaaagaa ttgggggaaga aaaccaacaa ctgccttatg 360
 caggggtggg gacagggag gaggtagggc cagggacagg agcatttcac atcactaacc 420
 taacttggga agctgtaagg gaccat 446

<210> 803
 <211> 573
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 514
 <223> n = A,T,C or G

09920300 "073101

<400> 803

```

ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
tccagtgtcg atatcagata cgagcttcaa ggacaatttc ttttcgaagg cttattccag 240
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cgggtggacga 360
tggagggggc cgactcgctg tactcctgct tgctaatacca catctgctgg aagggtggaca 420
gtgaggccag gatggagcca ccgatccaca ccgagtactt gcgctctggg ggtgcgatga 480
tcttgatctt catggtgctg ggcgccaggg cggngatctc cttctgcata ctgtcagcaa 540
tgcccggata catggtggtg ccgccagaca gca 573

```

<210> 804

<211> 359

<212> DNA

<213> Homo sapiens

<400> 804

```

ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccattggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttgggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcgagggtt gggttctgct ccgagggtcgc cccaaccgaa atttttaatg cagggtttgg 359

```

<210> 805

<211> 410

<212> DNA

<213> Homo sapiens

<400> 805

```

aaaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggg tacatttcac atttcaactaa tggtgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttgggttagca 240
tctcatcttg cattctgac aattggcaag aaagggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggt 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttctt gaagatgttt 410

```

<210> 806

<211> 522

<212> DNA

<213> Homo sapiens

<400> 806

```

cctgctgggc ttggcaacga gggactcggc ctcggaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcacia agtcatcatg 120
gcttttagcg ctgctcgtgg aaaccaagat aaagatgcc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg taccacaggg actagtctac caagggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480

```

0920300 03101

tttgggtccac agcataacag gcactgcctc cttacctgtg ag

522

<210> 807
<211> 327
<212> DNA
<213> Homo sapiens

<400> 807
ctgctgccct tagagcttgt ggacaaatgt ataggatcaa gaattcacat cgtgatgaag 60
agtgataagg aaattgttgg tactcttcta ggatttgatg actttgtcaa tatgggtactg 120
gaagatgtca ctgagtttga aatcacacca gaaggaagaa ggattactaa attagatcag 180
atatttgctaa atggaaataa tataacaatg ctggttcctg gaggagaagg acctgaagtg 240
tgaatgagtt tccttgactt aactagatt ttgttttggc ttataatgac aagaaaatgg 300
aattttttt cccactttct aatgttt 327

<210> 808
<211> 188
<212> DNA
<213> Homo sapiens

<400> 808
cgagcggccg cccggcaggt ccttatccct gtaagtctat taaatgtaa taatacatat 60
tttacaactt ctcttagtcg gcccttggca gattaaatct ttgcaaaatt ccataatgtgc 120
tattgaaaaa tgaaataaaa cctcagatgt ctgaattctt atttcaaata cagttatata 180
attatttt 188

<210> 809
<211> 416
<212> DNA
<213> Homo sapiens

<400> 809
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa gacatggaat atgccctgcg 120
taaactggat gacaccaaatt tccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acgggtctcg tctgggtcaa ggggccgtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggatgatg gaattttttt tttatttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttagtgtctt aggaaatttt ttttaatttt tttttt 416

<210> 810
<211> 539
<212> DNA
<213> Homo sapiens

<400> 810
ccactctttc atggtggtgg cagcagttac cagtaatgag cattagactc tgggggatag 60
aacacgggct gccctgagag ctcatgttg gagctgaagt tcaaggttca cttccttttg 120
gtttgtactt gaccttctt catgtgtctc tccggttccc tctaaaacaa gtgtgtttcc 180
cctcattttt gaggctgtca atggtgtgag agccaggatc atcacggggc ctgagggttt 240
actccagaaa agcagaggag tggcaacctt ggcttggggg ttggcagccc aggaaaggca 300
gggaggagag ctcaaagccg gtttcatgtt tcaccaaggt tctaattgtg ggagaggaca 360
aatccagatc ccctgtttga cagaattagt tcacaaatgt ctcttgcaa aaacatgtga 420
cacctaacca tgataattga cttaatccaa gaaagagctc tgtagggcag agcaatagga 480

05920300-073404

aatctctctt tcgttatgga aaaaaataa tccctctaca tagaaactga gtgacatgt 539

<210> 811
<211> 454
<212> DNA
<213> Homo sapiens

<400> 811
ccaattgaaa caaacagttc tgagaccggt cttccaccac tgattaagag tgggggtggca 60
ggtattaggg ataataattc tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatatt aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tgggttcagg taatcacctg agcagtgaag ccag 454

<210> 812
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 510
<223> n = A,T,C or G

<400> 812
cgctcctgaa ggagaagagg aagcgacgag aggagctggt catcgaacag aagaaaagaa 60
aactccttcc agacactatt ttggagaagt taaccacagc ttcacagact aacatcaaga 120
aatcgccagg aaaggtgaaa gaagttaatt tgcaaaaagaa aaatgaagac tgtgaaaaag 180
gaaatgactc caagaaagtt aaagtacaaa aagtacagtc tgtcagccag aataaaagct 240
acttggccgt aaggctaaaa gaccaagatc tgagagattc aaggcaacaa gcagcacaag 300
ccttcataca taattcatta tatgggcccag gaaccaacag gactactgta aataagttcc 360
tgtctcttgc caacaagagg ttaccagtga aaagagctgc tgtccagttt ttgaataatg 420
cttgggggaat ccaaaaaaaaa caaaatgccg agagggttaa aagacgggtg atgggtcagaa 480
agatgaaaac taagaagtaa atcaatgctn aatgaag 517

<210> 813
<211> 254
<212> DNA
<213> Homo sapiens

<400> 813
ctgtttttac atctaaagca atagactaga actgaattat cttctacata gtaaaatcac 60
aattgtggaa ttacaggaat tctgggtgata ttaaggtgaa ataacaaaac acaaaaggcc 120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
tgcttctcca ccaataaagg gctttttccc ctatttaagg agccagatgg attgaaagat 240
gtggaaatag gcag 254

<210> 814
<211> 460
<212> DNA
<213> Homo sapiens

05920300.0101

<220>

<221> misc_feature

<222> 395, 405, 437, 455

<223> n = A,T,C or G

<400> 814

```
cctattgggt atcaaattggg gcacagtgt gctgcctctt aaaaagttgt gaggaatgag 60
ttagaactgg atctgaagtc ctcaggtaat aggcattggct atgactgggt gactttaagc 120
attgttgctt ctcaacttgc tttgtatcct cagcagtcaa accagggtgct cttgggtcca 180
ttcagactct tgggtttctgc tcttgaccat tttgcaaaga gttctgaacc ttcattgggca 240
aggtcaagca ccctgtgact gggggagAAC ctttgaacct ggagtgtggg cctgggttcg 300
ccccgatcc ctgtccattg cttgctgtgg gccttgggtt ctttatctgt aaaatggagg 360
taatgcctgg attacaaggc tgctataagg atganagggg acaantgagg gtacttttta 420
atgaaagcat tcttgnacc accagggaac catantcagg 460
```

<210> 815

<211> 295

<212> DNA

<213> Homo sapiens

<400> 815

```
ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
cgagctgcca gcagaagctt ctcccaggtc ctcttgagat ttatgatata gatgccatca 120
cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaatggg 180
gttcctgctg caaggaactt aaggacatcc tcttccttca tttgcaggac atcaagggtc 240
ccggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccg 295
```

<210> 816

<211> 96

<212> DNA

<213> Homo sapiens

<400> 816

```
cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt gggttctcagg 60
gtttgttata attttttatt tttatgggct ttgggtg 96
```

<210> 817

<211> 444

<212> DNA

<213> Homo sapiens

<400> 817

```
tttttttttt tttttaagac cctcatcaat agatggagac atacagaaat agtcaaacca 60
catctacaaa atgccagtat caggcgggcg cttcgaagcc aaagtgatgt ttggatgtaa 120
agtgaatat tagttggcgg atgaagcaga tagtgaggaa agttgagcca ataattgacgt 180
gaagtccgtg gaagcctgtg gctacaaaaa atgttgagcc gtagatgccg tcggaaatgg 240
tgaagggaga ctgaagtac tctgaggctt gtaggagggt aaaatagaga cccagtaaaa 300
ttgtaataag cagtgcctga attatttggt ttcggttggt ttctattaga ctatgggtgag 360
ctcagggtgat tgatactcct gatgcgagta atacggatgt gtttaggagt gggacttcta 420
ggggatttag cggggtgatg cctg 444
```

<210> 818

<211> 481

09920300.073404

<212> DNA
 <213> Homo sapiens

<400> 818
 aaaaagcaat cctcaaactc tctagccaca gcagtaatta agattaaggt ctgtcagtgg 60
 gctgatcccc tccaggtagc ctccctcact ccaagagaag atgtagagaa atatggatga 120
 cacatgcttg cattgttttt gtgtcaaaac acacacaccc acacacacac acaatataag 180
 gcagcccaaa ggtctgtggc agaaaacact gcaaatgact cagtgatata ctacatttgc 240
 aatctctcat ttatacaaaa aaagaaacaa gtttccagtt tgttttcaac aaaaacaaca 300
 aagaaaaaag ggatggacaa aaaggcattt atacaaatct agggtgagga atacaaagaa 360
 acttgctttt aataataaaa aaagattaaa gagataaata aaaaaaaact ggttacagtt 420
 aagaacataa tttaacaaca gatggccata ccctttgagg aaagctccaa caacctattt 480
 t 481

<210> 819
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 819
 ctgggcacag tccagttctc agcagtaatg acagaaatga aggaaggaag ctccagaatga 60
 gtgcacgggg gaaatgggtt ttgctgatgc atttccaggg ccggccgtac tctttgtttt 120
 ggcacacttt tcctgacaaa cagccagtggt tctcaacaca taaatactag tccacgttaa 180
 caacaatagc atatgagacc gctctccgta aagatgccag attggatgca aatggactgg 240
 aaataccttg gaggggtttca caaaaataag acaaagggca aaggaacttt gccaaaggag 300
 atggagagca attcttt 317

<210> 820
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 272, 326, 352, 381
 <223> n = A,T,C or G

<400> 820
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaatata ctccatttaa atattaaata aattatttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaagn gacaattgaa agtttaaaac 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gngatatacct gtaattttat cticagttat 300
 gctatagcat gtacatttcc attctnttgt cgaagtttct ttctgttcctc ancttctcct 360
 tcatatttcc tgacgtattg ncttctaagc tggactgtaa taacagcaac ag 412

<210> 821
 <211> 226
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 185, 186, 194, 195

05920300.073104

<223> n = A,T,C or G

<400> 821

```
cctcgggtgga catcagggcgc aggaaggtca gccaaagagga atcagaaacc tgaagttaga 60
aaggctcaac gagaacaagc tatcagggct gctaaggaag caaaaaaggc taagcaagca 120
tctaaaaaga ctgcaatggc tgctgctaag gcacctacaa aggcagcacc taagcaaaaag 180
attgnnaagc ctgnnaaagt ttcagctccc cgagttgggtg gaaaac 226
```

<210> 822

<211> 552

<212> DNA

<213> Homo sapiens

<400> 822

```
aaacaaattg cagagaatag agaaaaaaat aggttattta cagaaaacaa tatctacata 60
tgtacttaga ggtacaaatt tgggtgacaga aaagacttca gtatatgctg gcatcttaga 120
agcagttctc aaagagctta gttttatttt cttgaatttt aagaatgcct aagatccttc 180
ttcatcctcg atcttgggag ccaagtagta ttttaagtgt cccatatccg caattttata 240
ctctacaaca aggggtacat ctgcagacat actgagtgtc accgttgaag agagtggagt 300
ggcttttgta aagaagttca ggtacctcag tgcaaaagtt agttgaactg gttcattcat 360
ctctatggta acagcttcct cctcttatcg acattacttg tctgtgacaa tttaatgttt 420
ccatttccaa gttctccact tgcagaaaat ttcactccgt cttttgcaca ggaaattaca 480
acagcatctc caatatggct gagatctcgg catatacgtg caaattcacc agaaggcatc 540
tttactacac ag 552
```

<210> 823

<211> 263

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 49, 151

<223> n = A,T,C or G

<400> 823

```
aaattgaagc gaattaaata ggatttttact actcaacatt cattatacnt gttaatcttt 60
gctgaaatat atgctaacaa atgttaagca agggaaactg aagacttagt catgtggatt 120
gttagcagtg atctgcattc tgtaaaagag ntactttccc atgatgtagg catgaagtgg 180
taccagtaag cgtacagcgg aaatgttgac tttagttaac attgggttta gcatttccag 240
tgcagcatta tcagtgggcc ttt 263
```

<210> 824

<211> 328

<212> DNA

<213> Homo sapiens

<400> 824

```
aaaattagtc atcttacaac acaacagtat tctagcacgg tggcgaagtg acaggcggca 60
gatacggggg aggaaggaga cgttcacggg aaattccaca ttctactcta tgtgaactgc 120
tccagaaaaa tacagacatg atttcacagt aggattccca gagtaaata tgatacatag 180
gacaactgac ctctcttaag aagcccggct ggggcagcag tgagcttttc atggagccac 240
gcagactggc ccggaagcaa caccaggtt caacatttaa gagcactcgc tataacattc 300
tttttgagcg caggtggttg aaaagttt 328
```

09520300-073404

```
<210> 828
<211> 475
<212> DNA
<213> Homo sapiens
```

<400> 828

```

ccactagagg tctgtgtgcc attgcccagg cagagtctct gcgttacaaa ctcctaggag 60
ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttggtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgata cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgctcaga caggggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aacccaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt gggaagccag 420
agccgcctgc catgccccag tcagtcccca cagcataaca ggggtctcctt ggcag 475

```

<210> 829

<211> 361

<212> DNA

<213> Homo sapiens

<400> 829

```

caggtccccg ccggggcccat cctctccatc cgggtctgca gggacatgat cccccgccgc 60
tccttgggct acgcgtatgt gaacttccag cagccggcgg acgcggagcg tgctttggac 120
accatgaatt ttgatgttat aaagggaag ccagtacgca tcatgtggtc tcagcgtgat 180
ccatcacttc gcaaaagtgg agtaggcaac atattcatta aaaatctgga caaatccatt 240
gataataaag cactgtatga tacatcttct gcttttggtg acatcctttc atgtaagggtg 300
gtttgtgatg aaaatggttc caagggtat ggatttgtac actttgagac gcaggaagca 360
g 361

```

<210> 830

<211> 535

<212> DNA

<213> Homo sapiens

<400> 830

```

aaaaaaaaacc taattcattg aagtaataac caaataattt tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gccacttct atgaatttta tgtataaaat tttttaagag 120
tcagagtttt tttttcttga ttaattggat gtatttcaca gaatttccaa ctgctcacgt 180
tagttttctt ctttttagag ttgatctctc taatgtatta gatcctcatg cttttgatag 240
tctctctgga ataagtttgc agaaaaaact tcagcatgtg ccaggaacac aacctcacct 300
tgatcagaat ctctgtggg aaaagaatgt gagaacaag gacaatcact gcatggagggt 360
cataaggctg aagggttgg tgtcaatcaa aggcaaatca caacaagtga ttgtccagggt 420
tgtccatgag ctctatgata tggaggagac tccagtgagc tggagggatg acactgagag 480
aacaattga ttggtctca ttggcagaaa tttagataag gatatcctta aacag 535

```

<210> 831

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 486

<223> n = A,T,C or G

<400> 831

```

ccatcttcca caagtactcc ggcagggagg gtgacaagca caccctgagc aagaaggagc 60
tgaaggagct gatccagaag gagctcacca ttggctcggt gaggggcctc ctccccagga 120

```

05920300-073404

```
<210> 832
<211> 311
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 121, 280, 290, 295  
<223> n = A,T,C or G
```

```
<210> 833
<211> 162
<212> DNA
<213> Homo sapiens
```

```
<210> 834
<211> 502
<212> DNA
<213> Homo sapiens
```

$$\begin{array}{ll} \langle 210 \rangle & 835 \\ \langle 211 \rangle & 305 \end{array}$$

<212> DNA
<213> Homo sapiens

<400> 835
cctaaatgtg accaaaccaa cattgtaatc cagtcccttc ttggaacctt aattgaactg 60
ccaagtactg cgcatgcaag agacccttta ttggccttac agtgggcat tcatctctat 120
aggcaaagaa agctctagac agattggaat aggaaatgga tatttgccctt ttagctacac 180
ccctttgtct gtcttcctca ttttgttcct tttttttttc cctaaagggg agtcaagtgc 240
cctgggttgt tcccccata aggtattagg gacttgtgtc acatctctct ggagttttct 300
atctt 305

<210> 836
<211> 316
<212> DNA
<213> Homo sapiens

<400> 836
atcaacctct gcggctccca ctgcggcggt tccatcgggg aagacggggc ctcccagatg 60
gccctagaag atctggctat gtttcgggtc gtccccacat caactgtctt ttaccaagt 120
gatggcggtt ctacagagaa ggcagtggaa ctagccgcca atacaaaggg tatctgcttc 180
atccggacca gccgcccaga aaatgccatc atctataaca acaatgagga cttccagggtc 240
ggacaagcca aggtggctct gaagagcaag gatgaccagg tgaccgttat cggggctggg 300
gtgaccctgc acgagg 316

<210> 837
<211> 335
<212> DNA
<213> Homo sapiens

<400> 837
ctggcttcag agccggcctg acctgtacct taatcttgtg gctgtgcgca gggacttctg 60
tgggaggccc cggttcctgc atatccggag gtctgggcca tagcatggct gccctgtgga 120
tgcttctgca gtgcgcccag cctgaccaga ggggaggtgg atggcacttt ccagagccca 180
ggttcttatg gcatctccca gggttctgtg atttcccat gctctgcatt tctaggatat 240
ttctaggaca cctggattgg ctccatcaca tcagagtggc tgagggcagt tgctctgtgt 300
tggtgaaatt gctgtggggg tatcggggga tatgg 335

<210> 838
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

<400> 838
cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
tggggcagcg aaaatttttg ggggggtggt tggagagata atgggcatg tttctcaggg 120
ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
aatgattggg gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360

09920300 "073101

angacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagt 446

<210> 839
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 839
 ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggaggggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
 caccccgttg gtggctagga tatctttatt ggagatgac gccttcccgt tgatagttag 300
 catgtccccg ctgcagccca cctccagtgt cgtgccctcc agggctctca cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcaggctctct 420
 cagggcttct gggtcgcccc ggatacgggtt caaagtctca ctagggatct tctcgaagg 479

<210> 840
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 840
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcaagttagt gcaaacccga gtgacccagt caccctggat 120
 gtcctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttcggga 180
 ggaacctca acctctctg ccaactcgcc tctaaccat ccccgagta ttcttgccgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgcaaaat cagccaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggtta ctggccgcaa taattccata 360
 gtcaagagca tcacagtctc tgcactctgga acttctctctg gtctctcag 409

<210> 841
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 841
 ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
 atctccccct tctccttttg gctgggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
 aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttctt ggaggggtgtc 180
 cgcaatggtg ccagtgtctg tctgcagatt ggctacccaa ctggttgcac agtaccocat 240
 tctatcatca acgggtacaa acgagtcctg gccttgctctg tggagacgga ttacaccttc 300
 ccaattgctg aaaaggtcaa gg 322

<210> 842
 <211> 402
 <212> DNA
 <213> Homo sapiens

<400> 842
 ggcattcctg ttacagacca aggagaactg gagaaagaaa gagaaaatca gttcgtgggtt 60
 gcattgtgga tgcaaatctg agcgttctca acttggttat tgtaaaaaaa ggagagaagg 120
 atattcctgg actgactgat actacagtgc ctgcgccctt gggcccaaaa agagctagca 180

05920300 "073101

gaatccgcaa acttttcaat ctctctaaag aagatgatgt ccgccagtat gttgtaagaa 240
 agcccttaaa taaagaaggt aagaaaccta ggaccaaagc acccaagatt cagcgtcttg 300
 ttactccacg tgtcctgcag cacaaacggc ggcgtattgc tctgaagaag cagcgtacca 360
 agaaaaataa agaagaggct gcagaatatg ctaaactttt gg 402

<210> 843
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 843
 ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
 gctaaaaagt tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
 ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
 tgatctggag aaggacatta tttcggacac atctggtgac ttccgcaagc tgatgggttg 240
 cctggcaaaag ggtagaagag cagaggatgg ctctgtcatt gattatgaac tgattgacca 300
 agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
 gatcagcatc atgaccgagc ggagcgtgcc ccacctccag aaagtatttg ataggtacaa 420
 gagttacagc ccttatgaca tgttggaag catcaggaaa gaggttaaag gagacctgga 480
 aatgc 486

<210> 844
 <211> 541
 <212> DNA
 <213> Homo sapiens

<400> 844
 aaaaacccag tgagtattat tttcaatttg ttaaggttgc aaaccttcag tgaagcttgt 60
 ttctcttttc ttgttccttc tttcaaattg aaatgacatt tttgtttata gagctccagg 120
 tcaaaggatc taacaatttt taatagcaat ttctatagat gaatacttgc tttttcttcc 180
 tagtcttgca gcaaaaaact aagcaagctt tgacatagag ggacgcatgt gaatatcgta 240
 aatttataca caaactccca taaatactcc ctttcaatct aacacagaag acggggcagg 300
 acggacgcag cagttggggc gtcggaagtt ctgcagcatg gactggaaaa cactgtgctg 360
 ccttcctctg agcttcttat ttgaagaagt atctgaggaa atggatctcc gggctctggct 420
 attttgagtt ttgattaatt tctcatgttc cctgatttgt ctttgcaaat gggtctggat 480
 cgcgattccc agggactctg cgtccaagga tgcaccatac acttcccagg tcattccctg 540
 c 541

<210> 845
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 845
 gcaccgccag ccttgtgggc agcaacatgt tccccaatca ttaccgcgag gcggcctttg 60
 ggggcggcct cctatccccg gggcctgaag ccacgtagcc ccgcgatgcc agaggagggg 120
 cactgggtgg ggagggaggt ggaggagccg tgcaatccca accaggatgt ctacaccccc 180
 catccccctg gcccttcctc atgcttctga agtgagacata ttcagccttg gcgagaagct 240
 ccgttgcaag ggtttccctt tgagcccatc ttacagatga ggaaactgag tccggagagg 300
 aaaagggaca tggctcccg tgcactagctt gttacag 337

<210> 846
 <211> 454
 <212> DNA

<213> Homo sapiens

<400> 846

```
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
cttctttttt ccagcaccaa cattggcctt tgcagtcctt ctgactttct tcattctgtt 120
cttgcggtcc ttctgttgct ttcttgaggt cttttcttct tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat tttcttttgc ataatccagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaaga tgacatccgg 300
tgtgggtctt tacatttttg ctagtttttc ccgaatttct gtcttaggca ctgtcgctt 360
cccggggtga aggacatcaa tgaccatttg tttcctctga agtagtcggt tggatcatgaa 420
ctttctagtg cggatagtta cgggtgctgt catg 454
```

<210> 847

<211> 369

<212> DNA

<213> Homo sapiens

<400> 847

```
ccaacctgcc tctacagcgt ccacagcgaa cacagggcta gacaaggag gagtttctca 60
aacggtttta atcggttctc tccgcgtcac aagccatcgg gtaaggcaac ggaatgtgcg 120
tggggctccc tgtggctccg cggtcacaat actgagcctg gaattgctgt tagcaaaata 180
tacatttttg tcaccataaa aaaccgcgcc gccgcccctc ggggtctcaca acaggtataa 240
aaaattataa atatttacac ccttgttaca cgctttttac gaaaggggat cctaggagag 300
ccccggggac aggacgcggg ggcggtagaa agagcacaaa gacaggagcg ccgccttcc 360
gggtccag 369
```

<210> 848

<211> 344

<212> DNA

<213> Homo sapiens

<400> 848

```
ccaacttaaa gccgaatccc ggctccaaga aaccggagag aagaccaaga ggtcggagaa 60
gaggtagaaa atgtggcaga ggccataaag gagaaaggca aagaggaacc cggccccgct 120
tgggctttga gggaggccag actccatttt acatccgaat cccaaaatac gggtttaacg 180
aaggacatag ttccagacgc cagtataagc ctttgagtct caatagactg cagtatctta 240
ttgatttggg tcgtgttgat cctagtcaac ctattgactt aaccagctt gtcaatggga 300
gaggtgtgac catccagcca cttaaaaggg attatggtgt ccag 344
```

<210> 849

<211> 245

<212> DNA

<213> Homo sapiens

<400> 849

```
ctgcttgggc ctctctctc tggagagtc cactgtgta gtgggcgtgg gtgccctgat 60
tgggcccagt tgcaggcagt agaggcagg caggacctt gcagtcact acatgttctt 120
cgggatttcc ccaggagcca cagtaggagg gaagtgtggt ttacctggcc ttgtattctc 180
tccaggtgag gaagaggatg gagatgaaga tgaggaagct gagttagcta cgggcaagcg 240
ggcag 245
```

<210> 850

<211> 294

<212> DNA

05920300 073104

<213> Homo sapiens

<400> 850

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt tccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
ctcaggggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294
```

<210> 851

<211> 362

<212> DNA

<213> Homo sapiens

<400> 851

```
ccatcctgag gatagggcag agtgcccagg gtggccccag ggcttctaaa accccaccta 60
gaccaccctc catgtcaggt actgagcaag gcccagatc cttctctctg gaggaagagg 120
gaagcccagg ggctcctgttt gtaaaacaac ggtggcaaca gtcctctctc cagagctgtc 180
tctgccttta tcctgggaga tggggaggaa gcccctctc tgctgttccc cgctggagg 240
aagcccaccc agcaagctct ctctacccc aggtaaaagg tgctcctttg cctgggtttg 300
aattccagcg ctgccacttc ctctctgcac ctcttgcaa gtttcttcta tccccacgt 360
tt 362
```

<210> 852

<211> 311

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 109, 124, 241, 250

<223> n = A,T,C or G

<400> 852

```
aaaagataat atattctacc ctcatatggt cctcagaatt aaagcataat gaacaggaag 60
aaaaaggaaa agaatgcaac ctgagtgcata aggagaaca tcttgccana agtaattaat 120
gaangtagag tatataatga aaagtgcaga atttcatagg gccaacaaga taacagtcta 180
tatttttcac ttacacaggc aaagtggatt ctgcaattac cagttgcgtt aaatgcacca 240
nataaagctn ctaaaattga tactataagg cgccacctta agtttttcca ggctgcaact 300
gtgcattatt t 311
```

<210> 853

<211> 490

<212> DNA

<213> Homo sapiens

<400> 853

```
ctgttatcca ggcgctggat ggggaaatgc gcaacgcagt gtgcatatct tatctggttc 60
tccgagctct ggacacactg gaagatgaca tgaccatcag tgtggaaaag aaggtcccgc 120
tgttacacaa ctttactctt ttcttttacc aaccagactg gcggttcatg gagagcaagg 180
agaaggatcg ccagggtgctg gaggacttcc caacgatctc ccttgagttt agaaatctgg 240
ctgagaaata ccaaacagtg attgccgaca tttgccggag aatgggcatt gggatggcag 300
agtttttggg taagcatgtg acctctgaac aggagtggga caagtactgc cactatgttg 360
ctgggctggg cggaattggc ctttcccgtc ttttctcagc ctgagagttt gaagaccct 420
```

tagttggtga agatacagaa cgtgccaaact ctatgggcct gtttctgcag aaacaaacat 480
catccgtgac 490

<210> 854
<211> 366
<212> DNA
<213> Homo sapiens

<400> 854
aaaaactgcc acttgagat aaaaatcaag ggcacaatgt actcagagag tattgagcta 60
tctggtatcc caaatgatgt gaatactttc agaaaccaat ggcaaattga acccacgttt 120
cccagctatg gagatattaa tacattgatt caaatcccat tactcaatcc acatagccct 180
gaggatcatcc tgcaaagtgc gtatcaaaaa atacgaagtt agggtgacaa agtttgacag 240
tgatgttata caagtcaaac ttggaaggtc atagtaagca tacctatgct gagagaaaag 300
catcaaatcc tttgtgtaca catttagttt tattgtaaca aagcaacttg tacactttta 360
acgttt 366

<210> 855
<211> 434
<212> DNA
<213> Homo sapiens

<400> 855
ccaacatggt gaaaccctgt ctcttctaga agcacaaaaa tgagctgggt gttctggtgg 60
gcacctgtaa tccagctac ttgggagggt taggcaggag aatcactgga acccaggagg 120
cggagggttcc agtgagccaa gatcgcacca ctacactcca gcctaggcca caaagcaaga 180
ctgttttctca acaacaacaa caaaaaaaaaa aaaaaaaaaa agactcagag agccaggggac 240
caggaagga tatgaggaag tgttctgagg acagagaaat gggagaatgg ggaggagaag 300
gagcggcaca tggagctcag cagaggagac agacagaagg aaagatggct tggagaagcc 360
ggcagtcctgc gaggctgagg aggatggaga gtggtttggg gttttgggtc gggctctagt 420
gtgatcaact gcag 434

<210> 856
<211> 283
<212> DNA
<213> Homo sapiens

<400> 856
ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttcctt tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gacatccctt agctaggata tgtctggctg aacagacctt tgtggcaagc cagatgtcct 180
atcacctcgc tagcggtaag agggcctctt tgagctctgt ccacctagtc aggttggaga 240
caccagggga tctaccacca aaagctccct tctagtagta cag 283

<210> 857
<211> 149
<212> DNA
<213> Homo sapiens

<400> 857
ccatattgac agaccaatct atgggactag gggaattggc atcaagtcca cacccttgaa 60
cctgctatgg ccttcagcag tcaccatcat ccagaccccc cgggcctcag tttcctcaat 120
catagaagaa gaccaataga caagatcag 149

09520300 "03101

<210> 858
 <211> 301
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 246, 268, 297
 <223> n = A,T,C or G

<400> 858
 ctggaggatg gccgcactct ctcagactac aacatccaga aagagtccac cctgcacctg 60
 gtgttgcgcc tgcgagggtg cattattgag ccttctctcc gccagcttgc ccagaaatac 120
 aactgcgaca agatgatctg ccgcaagtgc tatgctcgcc ttcaccctcg tgctgtcaac 180
 tgccgcaaga agaagtgtgg tcacaccaac aacctgcgtc ccaagaagaa ggtcaaataa 240
 gggtgntctt tccttgaagg gcagcctnct gcccgagccc cgtggccctg gagcctnaat 300
 a 301

<210> 859
 <211> 485
 <212> DNA
 <213> Homo sapiens

<400> 859
 ctcgtagagac aggatgcccc ggacctgtat gaggctggag agaagaaatg ggggacagat 60
 gaggtgaaat ttctaactgt tctctgttcc cggaaccgaa atcacctgtt gcatgtgttt 120
 gatgaataca aaaggatata acagaaggat attgaacaga gtattaaatc tgaaacatct 180
 ggtagctttg aagatgctct gctggctata gtaaagtgca tgaggaacaa atctgcatat 240
 tttgctgaaa agctctataa atcgatgaag ggcttgggca ccgatgataa caccctcatc 300
 agagtgatgg tttctcgagc agaaattgac atgttggata tccgggcaca cttcaagaga 360
 ctctatggaa agtctctgta ctcgttcatc aagggtgaca catctggaga ctacaggaaa 420
 gtactgcttg ttctctgtgg aggagatgat taaaataaaa atcccagaag gacaggagga 480
 ttctc 485

<210> 860
 <211> 501
 <212> DNA
 <213> Homo sapiens

<400> 860
 ctgagccact gcccctggct gacgctgcct ctttgaagtg cttgtcttcc ctgctactct 60
 ggggtctgct gcccgctggc tgctcccagg tgttctttgc cagatcccca ccaaacttca 120
 tgccccaag gcttgagggt gcccgggctc agtatctcca gggttactgat ccagcaaaat 180
 tataagaaac attaaaattc tctgaaaatt tcagtttttt cccttttttc aaagagaaaa 240
 acaattatag gagacttctc ctggcttcac agtttctgga tgctgtgttt ttgttaactg 300
 taacactttg aaatagcatt tgctaaaaac cttttcttct tctctctttt ttggtgatgt 360
 ggcagagaga aagacattga gatgttcctt gaggccagcc gcagcaaatt tatagggtac 420
 actctaggca gtgacacgaa cacagtgggt gggctgcccc ggccaatcca cgaaagcatc 480
 aagactctga aacaggtgag t 501

<210> 861
 <211> 365
 <212> DNA
 <213> Homo sapiens

09920300 "073101"

<400> 861

```

ctgaggaaga aatgaaaaaa gaccctgtcc cccatggccc gccactggc ctctgtgaa 60
ctctgtctctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catctctct 120
ctggggctgc ccagcctgac cgcaggggat cactggcag agccaaggtg gatgctggtg 180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
ggtgg 365

```

<210> 862

<211> 617

<212> DNA

<213> Homo sapiens

<400> 862

```

ctgcaaagta ccacacatag cagaaagaca gaaatttata ctgggggggtt ggaagatatg 60
gctactgagt ctgtaattcc atttggaggt tcaaaaaacc atttttacat tgctattatt 120
tgtacagacc aagggaacct aattttgaaa cagctagaca gtgatataaa caaacattta 180
tctctggggg tagaaaatta attataatac aagaatgaaa atgggcaaac agtatggaag 240
gcacccacac ctctagcac cctttggttt tctgatggag ttctcacttc acacatcagt 300
gcattggatt gcagaaaata ttgatatttt atttcatcaa aagtgccatt tggtagcca 360
ctattgaaag cttatcgctg tctttttctc cttcagcaag tagaggtcaa tgaagcaggg 420
tgtgttagtt acgcaaattc ctataaggca ctttacgggt ttcattattg acagtgaggt 480
acacaggata tatttctagg gttcgttgct gttaacaaaa agaagaagaa gtagcaccat 540
gttgtgacat tagctgagtc aggcttcatt atgttcttct catacagact tggcagcggc 600
tgacgtgctg gcgcagc 617

```

<210> 863

<211> 520

<212> DNA

<213> Homo sapiens

<400> 863

```

ctggggccac tgtcggcacc atgattggag tgctgggttg ggttgctctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaaccaag atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccactctctac taaaaataca 240
aaaatgagct gggcttggtg gcgcacacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccggg gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg gatacaagtt tctgatacca ctgcaactgt tgagaatttc caaaacttta 480
atgaactaac tgacagcttc atgaaactgt ccaccaagat 520

```

<210> 864

<211> 449

<212> DNA

<213> Homo sapiens

<400> 864

```

ccattaaaag ttattttaca cagtgggaga aaaaaagaca agaagttggt tcacattaca 60
gacctcccc caccctaaag cctaatactt gcttaccaag tcaaaaaaga gacgcagttg 120
attcacaggc tggaggtttg aacttgagta agacatttat aaaaacctag acggggcagt 180
gtctctccca gcccaggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240

```

T07E20:00E02660

gctggacact caaggtttgg gagtataagc accccacttc tggttcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacaggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatctt 449

<210> 865
<211> 426
<212> DNA
<213> Homo sapiens

<400> 865
aaatcaattc aaatatctct taaatgcctt tgtaaaatca gctctatact aggtgtgaag 60
gagataagaa atattacaaa aatgtctttg ttccaaattt cctcatagta tagttgggaa 120
aggcaaaaga agcagacatg aaaaatttta gtatccacat aagatgatcc atgtatcata 180
aagagtgatg taggcattta agatttacag gagaagaagg ctctttttgt tgatattttc 240
tgcttggacc aagaatattt atctggtaat actgttaatt ggaaataactt ttgctgctgc 300
aattgtatac attatgctaa tctgcatttt cttatccaaa acaagagcac tcattaagga 360
ctccctgacg tgcagttctg gtcagtaaca atacccttaa cccttccctc accctcatca 420
tggcag 426

<210> 866
<211> 458
<212> DNA
<213> Homo sapiens

<400> 866
ccaatttcgg gagatccatg ctgggtgtgt gtctctcggc tagtgcttcc ttcttctcga 60
ggatggcata gccagcatct gcagtggctg actcccgct ctcgtcatct cgcagggagc 120
tgataggctg gaagctatct ttgaagtctt ctttttgctt gttgagactg cgggccagc 180
gttccatgtc cttggcaatc tgttgagctg tcttggctct gtgcttctcc ttcttctctt 240
tgccctcctt cgaggggtgc cctgtctcct tatgtccgtc ggccgactgc tccagggcgg 300
gaacataggc cgcctctcc ccatcccagt acaggtactg ctggctctga gcattgtagt 360
aatactggga gttgggggtca tagtagaggc cggctctggg gtcatagtag tagccggagg 420
tctcatcgta ctggtaggta gagacgtcgg gaacaggg 458

<210> 867
<211> 392
<212> DNA
<213> Homo sapiens

<400> 867
ctggcttcac agatttctta ctgcccattg tggagctgat ccctgagaag agagccactg 60
ccgccgagtg tctccggcac ccttggctta actcctaagc ccctgccag caccacagca 120
gagatcacac actgaccctc cgcccttccc cttcaagcat ttctctcttc ccttttcagg 180
gtgaagctct tccttcaaga gtttctagat cttgtttttt ttttaatcca acatgttcat 240
ttgggtttgc ttacttgacc ctgtggagat cccacagcc attgggcac ctaggtgaat 300
ttggccttgg ttgggctctg ccaaagacta atggactaaa atgtgaaaca gcctcttgcc 360
ctgtaccttt ccttcccatt aggacatcct tt 392

<210> 868
<211> 203
<212> DNA
<213> Homo sapiens

09920300-073104

<400> 868
aaagtagttt tcttttaggaa ctgtcagcat gttgttggtg aagtgtggag ttgtaactct 60
gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
tattatccag gtactcgtac actatTTTTT tgtactgctg gtcctgtacc agaaacattt 180
tcttttattg ttacttgctt ttt 203

<210> 869
<211> 240
<212> DNA
<213> Homo sapiens

<400> 869
cacctttcat gatcacgccc tcataatcat tttccttatt tgcttcctag tctgttatgc 60
ccttttccta acactcaca caaaactaac taatactaac atctcagacg ctcaggaaat 120
agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcacgccc tcccatccct 180
acgcatcctt tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg 240

<210> 870
<211> 479
<212> DNA
<213> Homo sapiens

<400> 870
aaagagcctg agatttatat ttaactcgaa caacagtttg cctctgttgc ccctgtgttc 60
atgttttcct aagccagagt tccccacgac tctgttcctt ggcagcccaa gtgccttcgc 120
tgggctactc ccacctggcc cttgtttttc attccttagg gcagtcactt agcaccttcc 180
aaagtgcctg cacatgtttc ttatttcatt tcttaaacad tcatattacc actattttaga 240
ttgaaggaa acgaattggtt tgggcttgaa gagaatacaa agagatctgt cttcaattat 300
ctgatagtag taaagtttca cgggagaaaag aaagatttcg gttccacata aggaaaaact 360
tggaaagttt tgaatggaaa gttcatagag agattcagta accacctgtc aggaattttg 420
taaagacgtc tacggccata tcacctgaa cgcgcctgat ctcactgat ctcggaagc 479

<210> 871
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 521
<223> n = A,T,C or G

<400> 871
aaagttgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagtttaat 60
tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtgggttt 120
attacctatg ggttttatat ctcataatag acattctagt caaagtcttg gtaataaac 180
caatgttttc aaatgtattc tgttatatac agagcagatt tttattgaac ttgtgcaata 240
actatattac catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaatgtgt 360
gtaagctgtg gatagcttaa aagaaaaaaa gtttcctgaa atctgggaaa caagacattt 420
aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 480
agtcccatga aattaattat tttctctgct tgatcttggg ngacagtttc atgaagctgt 540
cagttagttc attaa 555

<210> 872
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 872
 ccttagagcc acagcggcgg cacaacgtgt gcgtcttatt gcgacgcttt ccaaacgatg 60
 acgttcctct cgctcatctcg cttctgcggc cgag 94

<210> 873
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 873
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt tcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtcct cgctggactg 240
 ctcagggtgc cagacctcat ccattccaaa atatgcccggt tgctatccgc ccag 294

<210> 874
 <211> 298
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 284, 296
 <223> n = A,T,C or G

<400> 874
 cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtgggtgaa 60
 aatgcacagg agcttggtag actgcggggg aaagagagag ctccctttcg catgttttac 120
 cagtctactg ttataacctc ttaggttgta tcctttaatt tccagccttt taggttagtt 180
 tctgtaacag aacaagttag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
 tttgtttttg taatagctta acaaataaac ctaggttttc tatngaaaaa aaaaangc 298

<210> 875
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 875
 attatcctct gtttctctgc tgcaccgacc tcgacgtctt gcctgtgtcc cacttggttcg 60
 cggcctatag gctactgcag cactgggggtg tcagttgttg gtccgaccca gaacgcttca 120
 gttgtgctct gcaaggatat ataataactg attggtgtgc ccgtttaata aaagaatatg 180
 gaaactgaac agccagaaga aaccttcctt aacactgaaa ccaatggtga atttggtaaa 240
 cgccctgcag aagatatgga agaggaacaa gcattt 276

<210> 876
 <211> 452
 <212> DNA

FORC20"00E02550

<213> Homo sapiens

<400> 876

```

ttgaagatgg tcccttacag cttcccaagt taggttagtg atgtgaaatg ctctgtgcc 60
tggccctacc tccctccctg tccccacccc tgcataaggc agttgttggg tttcttcccc 120
aattcttttc caagtaggtt ttgtttaccc tactcccca atccctgagc cagaagtggg 180
gtgcttatac tcccaaacct tgagtctcca gccttccccc gttgctttta gtctcttggt 240
ctgtgcctag tggcacctgg gctggggagg acactgcccc gtctagggtt ttataaatgt 300
cttactcaag ttcaaacctc cagcctgtga atcaactgtg tctctttttt gacttggtaa 360
gcaagtatta ggctttgggg tgggggagggt ctgtaatgtg aaacaacttc ttgtcttttt 420
tctctcccac tgttgtaaat aacttttaat gg 452

```

<210> 877

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 185, 262

<223> n = A,T,C or G

<400> 877

```

aaaaacaaca ccaaagcaaa cccatagccc ctgtcaagcc agtcctcagg gagagtgagc 60
tggaaggctc cccctgcact tctctgagca gagatcttgg gcccctccca ctggacccca 120
gcctgagcag agggcaaggc tctgcctgct ggtaccctag ggggtggggg agaagcgatc 180
agctncaaac catgcaagaa aaacaagcca aaccataaa gcaaaagaaa aaatcaacag 240
aggataaatt aaaaaaaaca cnaaagggtga atgacaccga taacggtgg 289

```

<210> 878

<211> 411

<212> DNA

<213> Homo sapiens

<400> 878

```

ctgcatatgg cctgggagtc atggcacagt acggtggaga taattatcgc cctttttgta 60
cagaagcact tcccctgctg gtaagagtta ttcagtctgc ggattctaag atcaaagaaa 120
atgtcaatgc tacagagaac tgcattctcag cagtagggaa aatcatgaag ttcaagcctg 180
actgtgtaaa cgttgaagag gtccttccac actggttgct ttggcttcca ctacatgaag 240
ataaagaaga agctgttcag actttcaatt atctgtgtga cctgattgaa agtaatcatc 300
caattgttct tggcccaaac aataccaatc tgcccaaaat atttagtata attgcggaag 360
gagaaatgca cgaggcaatt aaacatgaag atccttgtgc caaacgtctg g 411

```

<210> 879

<211> 423

<212> DNA

<213> Homo sapiens

<400> 879

```

aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggg 60
gggctttag tagcagctaca gcttcatcaa ccttagaacg gaggtagctt ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
gagtaggggt catggcttga ataagaggaa acagccgttc acccaacatt tgcttttgct 240
cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcttgacct tgtacatgaa 300

```

T07E20"02E02660

cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
 ctctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
 cag 423

<210> 880
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 880
 ctgggggacg tggttcacgg cgtggaaagc ctagtggagc ttctgggctg gacagaagag 60
 atgcgggacc ttgtgcagcg ggaaactggg aagcttgatg gaccagacaa ataggatgat 120
 ggctgcccc acacaataaa tggtaacata ggagacatcc acatcccaat tctgacaaga 180
 cctcatgcct gaagacagct tgggcagggtg aaaccagaat atgtgaactg agtggacacc 240
 cgaggctgcc actggaatgt cttctcaggc catgagctgc agtgactggt agggctgtgt 300
 ttacagtcag ggccacccccg tcacatatac aaaggagctg cctgcctgtt tgctgtgttg 360
 aactcttcac tctgctgaag ctctaataatg aaaaagcttt cttctgactg tgaccctctt 420
 gaactgaatc agaccaa 437

<210> 881
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 332, 380
 <223> n = A,T,C or G

<400> 881
 caagcttttt tttttttttt tttttttttt ttttggttaa aaaagtttaa tgagctgtaa 60
 aataaatata cttccattaa atattaaata aattatttac aacttgaaaa aatacttttt 120
 accttcgtgc acctttatat acagaaatag cataaaaaagn gacaattgaa agtttaaaac 180
 catcataaca aaaagggtcc attgtcttat gatccactgg aaagaggacc gactcatcat 240
 ttatggctat gacttggcag tgactccaat gtgatatcct gtaattttat cttcagttat 300
 gctatagcat gtacatttcc attctcttgt cnaagtttct ttcgttcctc acttctcctt 360
 catatttcct gacgtattgn cttctaagct ggactgtaat aacagcaaca g 411

<210> 882
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 882
 ccactagagg tctgtgtgcc attgccagc cagagtctct gcgttacaaa ctctaggag 60
 ggcttgctgt gcggagggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
 aaggctgcga ggttggtgtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
 ttgtggatgg cctgatgac cacagcggag accctgttaa ctactacgtt gacactgctg 240
 tgcgccacgt gttgctcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
 gggacccaac tggttaagatt ggccctaaga agcccctgcc tgaccacgcg agcattgt 358

<210> 883
 <211> 297
 <212> DNA

<213> Homo sapiens

<400> 883

```
ctgactatcc aacatgattc ctatggaaac agaaggggca gagtcctggt ttgctggctt 60
attgagggct tggcagagaa gctaaagctc caaagtgact acagattctc tgcaaccggc 120
tttgacccat ggaaacagga gccagattct cactctagag atagtgaggg ggccaaacct 180
actcatacca catgcattag tcctgggtcat cctccaggac catgcgtatg atggggcaact 240
cataccaggc aggggaaggg agctgattag ggaagaaggg accatTTTTT atctttt 297
```

<210> 884

<211> 367

<212> DNA

<213> Homo sapiens

<400> 884

```
aatttggtta aaatatctcg gcctgataag ggaactgggc aggtggagat aactaaaaaa 60
gagtgcataa aagagtgttg ttcaagttgg caccagagtt ggggagtttt aagaggttta 120
gaagcctggc tgtcaatacc cacaacagtt atggaggcaa gggaaacagg cccttgaaaa 180
gaaggtaatg tggagtgggt agcctccata ttgattaaga aggggacaga cttaccctcc 240
actgtgagag ttacctaaag ctcggtgtcc atgggtggtt acagggtctc tgaggcgatc 300
aggcagcgtc agtccttcagc cactaagcca agaaggagtc agtcagagag ccttggggcca 360
gtgttcc 367
```

<210> 885

<211> 194

<212> DNA

<213> Homo sapiens

<400> 885

```
gcaggtaaaa atcctgtgta aaggagcacc ttaaacatac cagtgtcccc caggaggctc 60
caccctcaac tcaacccaag caacagggac agatgaaaaa caaaatccaa tcagggcgat 120
aaatggcggg gggcaggacg tgggtgtctc caggctggct tcgtgcgttc ttgcttttgt 180
cactgtcccc ctgt 194
```

<210> 886

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 143

<223> n = A,T,C or G

<400> 886

```
aaaataagga gttgtggggg aagggtgtcg tgcactccta gagaaaggta cacagttgcc 60
cgggttggga tgtgcttggc gctgacctg cgggcattct actggtcttc cagctcagga 120
aaaagaattt gaaagaggct tancgtgaag gggaatcaaa gaggagggtt tgatttggtc 180
gaagggtgct ggtttagtgc tgtaattgtc ttattatatt tttatatat atatttcttg 240
gagtaaacad ttt 253
```

<210> 887

<211> 406

<212> DNA

05920300.073404

<213> Homo sapiens

<400> 887

```
ctgaatcgcg cagaatttga agatcaagat gatgaagcca gagttcagta tgagggtttt 60
cgacctggga tgtacgtccg cattgagatt gaaaatgttc cctgtgaatt tgtgcagaac 120
tttgaccccc attaccccat tatcctgggt ggcttgggca acagtgaggg aaatgttggc 180
tacgtgcaga tgcgtctgaa gaaacatcgc tgggtataaga aaatcctcaa gtcccagat 240
ccaatcatat tttctgtagg gtggaggagg tttcagacca tcccactgta ttatatcgaa 300
gaccacaatg gaagacaaag gcttctaaag tataccccac agcacatgca ttgcggagca 360
gccttttggg gccctatcac tccacaggga actggtttct tggcaa 406
```

<210> 888

<211> 172

<212> DNA

<213> Homo sapiens

<400> 888

```
aaatacaggg ttctaaaaag aaggaaaaaa cccagaacat cacatacttt taattatttg 60
taaaagcatt attctagttt tctaagtctt tatacttaaa aatgaaagca gtgtggaaaa 120
gaatccacat aagcaggtat catcagagtt tgcgcagatt agccaaaaca gg 172
```

<210> 889

<211> 479

<212> DNA

<213> Homo sapiens

<400> 889

```
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgttgtgtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacgtat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agataattgt tgggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagact gtcattcaga aataccatac tgtgaatgg 479
```

<210> 890

<211> 571

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 29, 40, 139, 211, 351, 379, 559

<223> n = A,T,C or G

<400> 890

```
gctttttttt tttttttttt tttttttgna actaaaaaan aactttattt attgagggca 60
aggggatgca aacaatacaa aaatcaaaag cttatctgggt atttaacttt tctttctctg 120
cttgtcaaat gagagttana ttttattttt acatttgcta agtgtcctga tctgtctatg 180
aaatccttct atgggggaag ctgtggggca nattccttaa gcgacccttt gggacaactc 240
ttatcaggga ggagcgaaact gctcatttct gcctacttct ttcccttctg cttcatgtgt 300
actacaaaat agtcattgca tgcaatggtg agggccgcaa ttagggaana naagctctgg 360
aagcccactt tgccatctnt acactgggtcc aggtccttca ttattttgtc cacagccaga 420
```

gggtcttttt gattttccaa aaatccaggg aactcctttt ccatgagtag tctcagggtcc 480
 tcctttgtta agtagccttt atccccagcg aatttgtgaa atgtaaacad catggtttcc 540
 atggcgtgtt ccatttgana tggcattttg g 571

<210> 891
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 891
 aaaaagtgtt tcagatatatt ctctaattat gtacaacctt aatgtttggt gttttgtatg 60
 gatcacaagt gcagcattcc ttaattcctt ctgctatatg tcacacagtt gttatttggc 120
 gaaccaagta tgtattgcat gaaaacatta tgactttttt ctcttagttt 170

<210> 892
 <211> 563
 <212> DNA
 <213> Homo sapiens

<400> 892
 aatgccatg atccaggatg gatttttagat cttgttgaaa gcagccacat ccatggactg 60
 cacatagtc tcaaaagcag tgatctgctc ctccagcata tctgttccaa ctttatcatc 120
 ttcaactaca cactgtattt gaagtttctt aattccgtat cccactggaa ctagttttaga 180
 tgagccccag actaagccgt ctgcttgaat gcttctgacg cactcctcta atttcgccat 240
 atctgtctca tcatcccaag gtttcacatc tagtaagatg gaagacttgg caacaagtgc 300
 aggttttttg gctttctttg attcatattg tgcaagacgt tcttccctta gcctctttgc 360
 ttcttcaact tctcctcat catcagatcc aaagaggtca atgtcatcat catctttact 420
 atctgtagct ccacttctct tagtgtcttc cacatcgga ggaccatatt tgcccaaagc 480
 tttcttcaact cctggcaggc tggccttttc cttttcgtaa gacttgatgt gattatacca 540
 acgtagggca tgacacaagt cgg 563

<210> 893
 <211> 159
 <212> DNA
 <213> Homo sapiens

<400> 893
 gcaaaacccc actctgcac aactgaacgc aaatcagcca ctttaattaa gctaagccct 60
 tactagacca atgggactta aaccacaaa cacttagtta acagctaagc accctaata 120
 actggcttca atctacttct ccgcccgcg ggaaaaaag 159

<210> 894
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 290
 <223> n = A,T,C or G

<400> 894
 aatgtgtgg aacaatgcta catctacact tggttggctt aatcaacctc ttcaatggtg 60
 ggccctgagg aagcaccacc agagggagga gctccaccac caggaaatcc ccaggcatt 120

09920300 073101

<400> 902

```

ggccctcccc caactggtga agaggatata gcagaaaaag atgagttgta gacactgatc 60
tgctagtgtc gtaatatgtt aaatactgga ctcaggaact tttgttagga aaaaattgaa 120
agaacttaag tctcgaatgt aattggaatc ttcacctcag agtggagttg aaactgctat 180
agcctaagcg gctgtttact gcttttcatt agcagttgct cacatgtctt tgggtggggg 240
ggagaagaag aattgg                                     256

```

<210> 903

<211> 362

<212> DNA

<213> Homo sapiens

<400> 903

```

ggacagggag gaatcctggc tcagcgggag tttgacaggc gattctcccc tcattttctg 60
gactgggcag cctttggggg catgaccctt ccctccatcg gcatccccct gctattgtgg 120
tactccagca agaggaaata tgacactccc aaaacgaaga agaactgatt ggggcttcca 180
cagccctcct ctcccaagaa atccaggctc ctctcccaag aaatccaggg gctttccaga 240
ctccaaaggg tatcttaaat gcaatctctt ctctcttagc ccttagccac tttctcctgg 300
atcctgccct gctctcagcc atagtgaagg accagcccta ggagtctgcg agagcctcct 360
tg                                     362

```

<210> 904

<211> 419

<212> DNA

<213> Homo sapiens

<400> 904

```

aaacttcaaa agactggctg ccagggacca cagtgaaaaa ttagacctgg agccaatgaa 60
aaacactagc ttggaaggaa tgggtttttc caaaaatgca aaattagcat ttacagatgc 120
ttaggatact atgatttgac aggcttacag tgataaaaca acaaagatga acagttacaa 180
tatttatacg tgtagtgtgt aaagaacaca ggttttttta ttggcagcaa gaaattctat 240
gacagcttct gagacaagta atcctatgcc ctatatccac cccatgccaa tgacgaccag 300
tcaaaatggg aacacagagt aaaaagtgat ctactgtatg tgagtcagaa agtacttgaa 360
aagtgacaaa actgtatggt attaaatgac aaaacatatt tagaggcttt atttaaaaa 419

```

<210> 905

<211> 238

<212> DNA

<213> Homo sapiens

<400> 905

```

ccaaaagttt agcatattct gcagcctctt ctttattttt cttggtacgc tgctttcttca 60
gagcaatacg ccgccgtttg tgctgcagga cacgtggagt aacaagacgc tgaatcttgg 120
gtgcttttgt cctaggtttc ttaccttctt tatttaaggg ctttcttaca acatactggc 180
ggacatcatc ttcttttagag agattgaaaa gtttgcggat tctgctagct cttttggg 238

```

<210> 906

<211> 411

<212> DNA

<213> Homo sapiens

<400> 906

```

ctggtcctct ccccatatgt cacactctcc tcagcctctc ccccaaccct gctctccctc 60
ctccctgcc ctagcccagg gacagagtct aggaggagcc tggggcagag ctggaggcgg 120

```

09920300 "073101

```

gaagagagca ctggacagac agctatgggt tggattgggg aagagattag gaagtagggt 180
cttaaagacc ctttttttagt accagatata cagccatatt cccagctcca ttattcaaat 240
catttcccat agcccagctc ctctctgttc tccccctact accaattctt tggctcttac 300
acaattttta tccctcaaat attcatccct ggcccaacca gtcccctgag cctccctctg 360
gtggagactc ctccacccat gagctcccca gagcatccaa gacagagtgc a 411

```

```

<210> 907
<211> 595
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 558, 580
<223> n = A,T,C or G

```

```

<400> 907
aaaaactgca ttactgaatt taacaaaagt cagacactag aatcatatat ttgctgcata 60
aaagttgatt tgatacctgg tgggtgattga atttagtctc aaagactcat aaataaaaat 120
ctgacttaag acgtagtcat accagtatac caattctccc atcactttga ctttcggcag 180
agagattaga gcaaaaaata ttcaggagaa cagtggagtt acattgtatt atgtatgttt 240
aatataatat caattttaag gttaagggtta aggaaatctt aattttaagg ttaaacccttg 300
agtactagtt atagaactta atattcctgg ttaaagagta agttaactgg gttattatgt 360
ggccttggtt gaagaccata aattatgcat ttatgcattt gtggttgctt tggttctcaa 420
tacattgaat atgcatagcc ccttctagaa atatatatag tgagaaatct gtaaaatggg 480
ggagttagac taagtgtgaa ctaaaatctt cccactgtgt acaggacaca tcagctgaga 540
gcaaatcagt ttttatgntt actcagcacc atcctcactn aaaactatta ttttt 595

```

```

<210> 908
<211> 601
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4
<223> n = A,T,C or G

```

```

<400> 908
cgantactat agggcgaatt gggccctcta gatgcatgct cgagcggccg cccgggcagg 60
taaaaagtat cttgatgggt cttttctatt tataatttca gactttcata aagtgtacca 120
agaatttcat aaatttggtt tcagtgaact gctttttgct atggtaggtc attaaacaca 180
gcacttactc ttaaaaatga aaatttctga tcatctagga tattgacaca tttcaatttg 240
cagtgtcttt ttgactggat atattaacgt tcctctgaat ggcattgata gatggttcag 300
aagagaaact caatgaaata aagagaatat ttattcatgg cgattaatta aattatttgc 360
ctaacttaag aaaactactg tgcgtaactc tcagtttgtg ctttaactcca tttgacatga 420
ggtgacagaa gagagtctga gtctacctgt ggaatatgtt ggtttatttt cagtgttgga 480
agatacattc acaaatactt ggtttgggaa gacacogttt aattttaagt taacttgcac 540
gttgtaaatg cgttttatgt ttccagggag cctcgaatct tcagtctctc agagaccaca 600
g 601

```

```

<210> 909
<211> 186
<212> DNA

```

05920300.03101

<213> Homo sapiens

<400> 909

```
ccagcagttc ctctttgcct tatatttggt gtacgcccgg ccagccttca agatggggtt 60
gtcaattcgg ccacctccag ccaccacacc aaccacagct ctgttggtg aggagataac 120
cttcttgagg ccggaggggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
aacggt 186
```

<210> 910

<211> 385

<212> DNA

<213> Homo sapiens

<400> 910

```
ccagggagga cggagacttt gacctactcc acatggagag gcaaccatgt ctggaagtga 60
ctatgcctga gtcccagggt gcggcaggta ggaaacattc acagatgaag acagcagatt 120
ccccacattc tcatctttgg cctgttcaat gaaaccattg ttgcccac tcttcttagt 180
ggaacttttag gtctcttttc aagtctctc agtcatcaat agttcctggg gaaaaacaga 240
gctggttagac ttgaagagga gcattgatgt tgggtggctt ttgttctttc actgagaaat 300
tcggaataca ttgtgtcac ccctgatatt gggtcctgat gcccccccaa caaaaataaa 360
taaataaatt atggctgctt tattt 385
```

<210> 911

<211> 467

<212> DNA

<213> Homo sapiens

<400> 911

```
ctggccccc ggtggagaga gatgggggaaa aggaggcatc gcagaggaaa tgtgatttca 60
tgtgtgacaa acagtggcaa aacaacactg gctaagaatt tgcagaaaca cctcccaaat 120
tgcagtgtca tatctcagga tgatttcttc aagccagagt ctgagataga gacagataaa 180
aatggatttt tgcagtacga tgtgcttgaa gcacttaaca tggaaaaaat gatgtcagcc 240
atttcctgct ggatggaaaag cgcaagacac tctgtggtat caacagacca ggaaagtgt 300
gaggaaattc ccattttaaat catcgaaggt tttcttcttt ttaattataa gcccttgac 360
gctatatgga atagaagcta tttcctgacg attccatatg aagaatgtaa aaggaggagg 420
agtacaaggg tctatcagcc tccagactct ccgggatact ttgatgg 467
```

<210> 912

<211> 435

<212> DNA

<213> Homo sapiens

<400> 912

```
gatttgggtga agtacctttt ggctaaagac caggcgaaga ttcccatcaa gcgctcggac 60
atgctgaagg acatcatcaa agaatacact gatgtgtacc ccgaaatcat tgaacgagca 120
ggctattcct tggagaagggt atttgggatt caattgaagg aaattgataa gaatgaccac 180
ttgtacattc ttctcagcac cttagagccc actgatgcag gcatactggg aacgactaag 240
gactcaccca agctgggtct gctcatgggtg cttcttagca tcatcttcat gaatggaaat 300
cgggtccagtg aggtgtgtcat ctgggagggtg ctgcgcaagt tggggctgcg ccctgggata 360
catcattcac tctttgggga cgtgaagaag ctcatcactg atgagtttgt gaagcagaag 420
tacctggact atgcc 435
```

<210> 913

<211> 332

05920300.073104

<212> DNA
<213> Homo sapiens

<400> 913
aaatctggga tataaattaa agatcatatg cacagatcaa tttatgttct tgtaataaac 60
ttattagaaa ttgggtgttg tgatagcatt ttacttgggt tactagagat gcttctagta 120
gaccttaatc tagcatagtt gaacctctga atatgggaag gttgtattcc cagattcttt 180
cctgaataga tttgaattta atgtcatttg ggaactccag ggtgagttta ttgactaccc 240
aaactgtatt ttaccaataa atatgcatat gatctttaat tattgaagaa aataaagtga 300
ggacttaaaa caattcatga aagtggacct tt 332

<210> 914
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 364, 365
<223> n = A,T,C or G

<400> 914
ccaaaacaaa ggggctacag gcccocatgca agccccaat ccagcggggc agtccttaaa 60
tcttaaagca ccaaaaggat ctccctttgtc ttcattgtctc acaccaggg cacactgata 120
caaggggttg gctcccatgg ctttgggcag ctcccttcgca ggctggcatt gagtgcctgt 180
ggctattctg ggcacacatt gcaagctgtc agtggatcta caattccggg ggctggagga 240
cagtggccct tttccacag ctccactagg cagtggccca gtggggactc tgtgtgggga 300
ctccaacccc acatttccct tccacactac cctagcagag gtccctccatg acaccttgat 360
ttcnnatttc taccctccag aactataaaa gaataaattt aagctactca gtttgtggta 420
ctttgttaca acagcactag gaaactaata tagtttattt tctgaatt 468

<210> 915
<211> 519
<212> DNA
<213> Homo sapiens

<400> 915
ctggctgggc tttcgttgcc atggatacca aggatatccc tcagatttta caacagatct 60
tcacctccac catgttgctg agtgtctaag aagtgcctt catcacctg atgacaccag 120
gatttgaaat aagacaggaa taaagagtat tctgaaaaaa agaagatatg gatgaagtga 180
acctatgcag tgactggatg attccggcat tccctgggtct tcctacactt gctccgtaat 240
gagaattcag agaagcagcc agaaggagac ttaaacadtg aaagatactc cactgatgag 300
tttagaagtg attagggcaa gctagttgac ctgcacttta tcaaagggtg gggttaaagg 360
aaggtggttt tgagaactat gtgtttggtc tatttccaaa aacctgaggg ggagaaaata 420
ctttgctttt gccttaacac atcatctggt caggttagaa aagtgacccc atcaaactga 480
gcctttgatg tcacattctg acacaagatg caagtcctgt 519

<210> 916
<211> 392
<212> DNA
<213> Homo sapiens

<400> 916
ccttaaccct tgccctggga gcccccaagg ataataacat ccctttctgg ggcaacaaaa 60

ctgggaccga gtgggtaact gatatttgac aggggaacct aaacagtcta cggaagtgtc 120
 ctgagatggg cgtaaagtca aacagaccaa gcacacaggt aacactgaaa taggaaagag 180
 taagagcttc tgttcaggct ggaggtgctc gtatgggtggg acaggaaagg ggaaaagaga 240
 aaggggcaac atggcagaca taccacggtt cctacagaga ttaggggcag ccctggcccc 300
 ggaagtacac agggcagaga gctgactctc aggtcaggaa ggagttagc tctgacccat 360
 cctcagggac cacggctctc ccccgacctc ag 392

<210> 917
 <211> 253
 <212> DNA
 <213> Homo sapiens

<400> 917
 ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgccg gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaaagtaa gattgggtgcc acctaagtgg 180
 gttcctgctg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggtg 240
 ccggacattg tga 253

<210> 918
 <211> 324
 <212> DNA
 <213> Homo sapiens

<400> 918
 cctgggatgg ctcttgggct tgagggcctg ttctggcagg atggcaagca gacactggac 60
 agggtcactt gggcgccgga tatgccagct tccgactctt caggactgac cacttgtgcc 120
 gctttatggg ttagaccagg ggcaccagca gagccatcat catcaacatc ttgagcccca 180
 tgcgttttctg atggctgtgc tctggctcag atgcccagcg caggaagggtg cacacatcct 240
 tggctatctg ggacatggta gctgggggtgc catcgtcaaa ctctaagaca tctgtgtaga 300
 tgggaggggc catggcaatg gcct 324

<210> 919
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 919
 ccagaaccaa ccaggagctg caggaaatta acagagtcta caaggaaatg tacaagactg 60
 atctggagaa ggacattatt tcggacacat ctggtgactt ccgcaagctg atggttgccc 120
 tggcaaaggg tagaagagca gaggatggct ctgtcattga ttatgaactg attgaccaag 180
 atgctcggga tctctatgac gctggagtga agaggaaagg aactgatgtt cccaagtgga 240
 tcagcatcat gaccgagcgg agcgtgcccc acctccagaa agtatttgat aggtacaaga 300
 gttacagccc ttatgacatg ttggaaagca tcaggaaaga gggttaaagga gacctggaaa 360
 tgc 363

<210> 920
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 920
 aaatctgtgt atgtgctcta tcacatttat tacttgtgta tattaaatca tcctgcatt 60
 aatggcatga aaccacttg atcatgggtg attttctttt tgatatgttg ttgaatttgg 120

ttcattagta ttttcttgag gatttttgca tctatgttca tcagggatat tggctctgtag 180
 ctttcttttt tgttatgtcc ttccctgggt ttgatattat ggtgaaactg gcttcataga 240
 atgatttggg ggaggattct ctctttttct atcttttga atagtgtcaa taggattggg 300
 accaattctt tgaatgtctg atagaattca g 331

<210> 921
 <211> 201
 <212> DNA
 <213> Homo sapiens

<400> 921
 ccttattttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag ggctttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga t 201

<210> 922
 <211> 73
 <212> DNA
 <213> Homo sapiens

<400> 922
 tcatgaactt cgcatacaaaa gacaattctt tataacaacag tgctaaaaat gggacttctt 60
 ttcacattct tat 73

<210> 923
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 923
 aaagcaagtc accttagggg ggctttaatt gtataagtca agcacatgta ataaattcaa 60
 aacctgtagt taacaggata ttagacatca atcctggtaa ccaaataatta aagattctct 120
 ttaaaaaaga ctgaacatgt ttacagggtt gaattaggct aaaagggtctt gcagtggctt 180
 ttcatggccc ttcaaattgg aatggaacta ctgtactttg ccatttttct ataaatcagt 240
 attttttttt aattttgata tacatttgtgt gaaaaaagaa aatggctaata aaactgtatt 300
 aaatcttaaa caatgtataa agattgtact tagccagttc aaagtgtata tttattcata 360
 atgaattata acagttatat ttttgtgttt tcttgtaaat gtttcttttc ccttaaatac 420
 agataattca tttgtattgc ttattttatt atgagctaca acaaaaggac ttcaggaaca 480
 agtaatgtat tagtatgggt caagattgtt gataggaact gtctcaaaag gatgggtgggt 540
 atttt 545

<210> 924
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 924
 ctgcttactt cagtctgggt tcttcaacca aaatatgtac cttataccaa aacaatgctt 60
 attccaaaat attttttgta gctagtagtt ctttccttgg aggtaaagaa aatacaccca 120
 aacttttaat taccaggatt cagaatattt aagagaacaa ttttagttaa gaatcaaata 180
 tacagagatt caaagagggg aaaaaaagga aatattatag aagacaaagg tcaaaactggc 240
 attccagatc tggagcaatt ttgtaaagca ggaaaacaac tatgacaatc tgtagcttct 300
 tagatcatta tagtgaatgt ccccatctac tataagtgtt tttataatgg tgtttcctaa 360

05920300.073101

ataaaggaac ataaatgtac actaaagggt gtttcccaag aatagagggtg aagatatattt 420
catttt 426

<210> 925
<211> 372
<212> DNA
<213> Homo sapiens

<400> 925
ccttagggcg ggaacacttt tcaacccaag ccaggcttca ggggcaagcc caccaacaga 60
ccccaatttc cacaggggag gcagatcttc tataacctaca gtgacagaaa atacactaaa 120
gtgcagtata aaatataaaa aggtttgatt ctgaatagac caactgctaa ttttccttaa 180
aaaaattttt aatttggttg agtaaaaacc aaattagttc actgaatctc attttgtagg 240
taagagtctt atttgcaata cgaaaactgg agcttatgac tgctttgatt ttctctgtag 300
cacaggataa ccaggtattag tggagaacac tacaaaagggt ggcttggtggt gaggttcttg 360
catagtgggt tt 372

<210> 926
<211> 64
<212> DNA
<213> Homo sapiens

<400> 926
ccaattgggt tcaccgtctg ggggggctgc ttattagtct cctggactag gggggcaaaag 60
agat 64

<210> 927
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277
<223> n = A,T,C or G

<400> 927
ctgcggtgcc cggtactgca ctgtgcgctg tctggggacc caccaggaga ccagggtgtct 60
gaagtggact gtgtgagcct gggcattccc agagaggaag ggccgctgtg cactgcccgg 120
ccttcagaaa gacagaattt catcacccaa tgcaggggga gctcttcctg gaccaaggga 180
ggagccgctc attcacccaa caaaactgtg tcttatctgc caggaaagac cagcctcact 240
cctgggaact gtctggcagg taggctgggc ccccantgc tgtagaata aaaagcctcg 300
tgccggaaaa aaaa 314

<210> 928
<211> 261
<212> DNA
<213> Homo sapiens

<400> 928
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggtt atcatttgtt ttgaggttag ttgattagt cattgttggg 180
tggtgattag tcggttggtt atgagatatt tggaggtggg gatcaataga gggggaaata 240

gaatgatcag tactgcggcg g

261

<210> 929
<211> 495
<212> DNA
<213> Homo sapiens

<400> 929
gcttttttgaa aagtttaggt taaacctact gttgtagat taatgtattt gttgcttccc 60
tttatctgga atgtggcatt agctttttta ttttaaccct ctttaattct tattcaattc 120
catgacttaa gggtggagag ctaaacctg ggatttttgg ataacagact gacagttttg 180
cataattata atcggcattg tacatagaaa ggatatggct accttttggt aaatctgcac 240
tttctaaata tcaaaaaagg gaaatgaagt ataaatcaat tttgtataa tctgtttgaa 300
acatgagttt tatttgctta atattagggc ttgccccctt ttctgtaagt ctcttgggat 360
cctgtgtaga agctgttctc attaaacacc aaacagttaa gtccattctc tggtagtagc 420
tacaaattcg gtttcatatt ctacttaaca atttaataa actgaaatat ttctaaaaaa 480
aaaaaaaaac ctgcc 495

<210> 930
<211> 88
<212> DNA
<213> Homo sapiens

<400> 930
ggcgaattca cttactgacc ggccctgggct gctctgagac atggaggaag ccagtgaagg 60
tggaggaaat gatcgtgtgc ggacctgc 88

<210> 931
<211> 460
<212> DNA
<213> Homo sapiens

<400> 931
aattaacagt gcgtatttgc ctgaagaagg tcagtgtgct tgcttggaga tcaggacgca 60
aaggtcacca tcagaaaagc taagtttgct gtatagttag gatcaggaga tctgatcctg 120
attgcagaac cttccctgat tacagaatct tggatgattt cacaaaagtt catcttcatt 180
gcagatacct gccttttctt ctagggttga tctccactt cacccttcta gaccatccca 240
gaagatctat aagatttcat ctgggaaatc actaggagtt cttggaaggg aaagaaggaa 300
gattgttggg tggataaaaa acaggggtga atgagttcca gaaagcaggg ttctcaacct 360
cgtggacagc aatctgcaga agaagagaac ttcaaaaaac caactagaag caacatgcag 420
agaagtaaaa tgagagggggc ctctcagga aagaagacag 460

<210> 932
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 360
<223> n = A,T,C or G

<400> 932
ccttacaaat aatactccaa tgaatcagtc cgtaccaaga taccccaatg ctgtaggatt 60

05920300.073404

cccatcaaac agtgggtcaag gactaatgca ccagcagccc atccacccca gtgggtcact 120
 taaccaaagt aacacacaaa ctatgcatcc ttcacagcct cagggaactt atgcctctcc 180
 acctcccatg tcacccatga aagcaatgag taatccagca ggcactcctc ctccacaagt 240
 caggccggga agtgctggga taccaatgga agttggcagt tatccaaata tgcccatcc 300
 tcagccatct caccagcccc ctggtgccat gggaatcgga cagaggaata tgggccccan 360
 aaacatgcag cagtctcgtc catttatagg catgtcctcg gcaccaaggg aattgactgg 420
 gcacatgagg ccaaattggtt gtcctgggtg tggccttgga gacccacaag caatccagga 480
 acgactgata cctgg 495

<210> 933
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 933
 gccgaagata tgctcatgtg gtggtgagga aagcagacat tgacctcacc aagagggcg 60
 gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat ccacgccagt 120
 acaagatccc agactgggtc ttgaacagac agaaggatgt aaaggatgga aaatacagcc 180
 aggtcctagc caatgggtctg gacaacaagc tccgtgaaga cctggagcga ctgaagaaga 240
 ttcggggcca tagagggctg cgtcacttct ggggccttcg tgtccgaggc cagcacacca 300
 agaccactgg 310

<210> 934
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 934
 aaaaaaaggt aagaaaggct ttcaggagat ggtgagtttt attttgtctt gtctggatag 60
 aggt 64

<210> 935
 <211> 520
 <212> DNA
 <213> Homo sapiens

<400> 935
 agaagatggc tgtgccaccc acgtatgccg atcttgccaa atctgccagg gatgtcttca 60
 ccaagggcta tggatttggc ttaataaagc ttgatttgaa aacaaaatct gagaatggat 120
 tggaaatttac aagctcaggc tcagccaaca ctgagaccac caaagtgcg ggcagtctgg 180
 aaaccaagta cagatggact gagtacggcc tgacgtttac agagaaatgg aataccgaca 240
 atacactagg caccgagatt actgtggaag atcagcttgc acgtggactg aagctgacct 300
 tcgattcatc ctctctacct aacactggga aaaaaatgct aaaatcaaga cagggtacaa 360
 gcgggagcac attaacctgg gctgcgacat ggatttcgac attgctgggc ctccatccg 420
 ggggtgctctg gtgctaggtt acgagggctg gctggccggc taccagatga attttgagac 480
 tgcaaaatcc cgagtgacct agagcaactt tgcagttggc 520

<210> 936
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 936
 aaagattata gaggttgcca ctgaaagaaa aattttacac agtcactgta catcaaggtt 60

0920300-03104

gaaaaactgt cctgcatgaa aaatatactt agaaatcatg tgaataaaaag aaaaaagaaa 120
acattattgt gtttaaggaa agattaaagt cctcataatg tgccatctaa atgtggatac 180
tcattcttct tggagtcgct aagatgtaga aatttcttgc ttctgccctt ttcactcatt 240
atactgtgtt ttttcccaac agtattcatt aaggcaaaca aatccctttc tgaagaggtc 300
ttaaggaaat tgtggacaaa gcaaactttt ggcattaaaa caggttaaca tatacaaagc 360
ctttgtaata tacattaagc atatttttct tggactagtg acaagaaaag atgaacatgc 420
ttgttaacaa tgtcaaaaag ttt 443

<210> 937
<211> 290
<212> DNA
<213> Homo sapiens

<400> 937
cgcaaaacta accccctaata aaaattaatt aaccactcat tcatcgacct cccaccccca 60
tccaacatct ccgcatgatg aaacttcggc tcaactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tactcaccag acgcctcaac cgccttttca 180
tcaatcgccc acatcactcg agacgtaaat tatggctgaa tcatccgcta ccttcacgcc 240
aatggcgcc caatattctt tatctgcctc ttcctacaca tcgggcgagg 290

<210> 938
<211> 363
<212> DNA
<213> Homo sapiens

<400> 938
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa tttctcttct tcctgttatt 180
ggtagtcttg aacgtttagat attttttttc catggggcca aaaggtaacct aagtatatga 240
ttgcgagtgg aaaaataggg gacagaaatc aggtattggc agtttttcca ttttcatttg 300
tgtgtgaatt tttaatataa atgcggagac gtaaaagcatt aatgcaagtt aaaatgtttc 360
agt 363

<210> 939
<211> 552
<212> DNA
<213> Homo sapiens

<400> 939
aaatttaaga cagttacatg tctttattac ataaacatca taatatttct cataggagtt 60
ggtcttcagt ttgcttggtg ctttcgcaga atgtcaaata tctatagaaa atgtctaatt 120
atztatgaac aaacattccc atccttgccc cgcaaaaaat ctcatcgcc gcaattccta 180
accagattcc tgagaaaaat aataggattt attttatagc atcatacata gattttcttt 240
caagatataa aaaaggacag gcttctaaaa catgaatctc ctttcgttta caaagttcta 300
taaaaaataa ttaagtatgt tcaaagtgtt gttctttcac tttatattcc agtttaccag 360
aaacaaaaaa tggcagtaca taaagatatg taaaccacat taatcttgca gtaataaat 420
gtcaacatca tcatgaacac cttgcagaag cagctctcct ggatatgtta caatcttct 480
tcgttttgca gctttaagag ttcctaccaa tgcttcaaag aggttggcac atttatcatc 540
acggaagagg ac 552

<210> 940
<211> 155
<212> DNA

<213> Homo sapiens

<400> 940

aagaaggtga tctaagggcc gcggcctcct ccacacacac acacacacca ggggaaccaa 60
gagaaccacg tagaatcctc aaccgtgcgg accatcaacc ttcgagaaat tccagttgtc 120
tttttcccag ccgcatacctg cctgtagatg gccgg 155

<210> 941

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 405

<223> n = A,T,C or G

<400> 941

ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaactc gagcgttctc aacttgggta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tggtgtaaga aagcccttaa ataaagaagg taagnaaacc taggaccaa 420
gcacccaaga ttcagcgtct tgttactcca cgtgtcctgc agcac 465

<210> 942

<211> 407

<212> DNA

<213> Homo sapiens

<400> 942

aaataaaaaa catttcaaat ttgtcacaaa taatttaggc caatacataa ctagatttga 60
ataaagtcag atgaagcaat aattcctcct ctgtgtttga aaggaatgag tgtggttaca 120
aagtcacagg atgagtcctt gggatctggg gtgggagaag gggtagatca agaagactt 180
gggcttgtca ctccctagca ggctgagggc gtgacacagc agctcgggtg cggagaggtc 240
tattctagtt tctaactctc caatgctaac tttttggatg tatttccttc tagcatgtag 300
aaagggcttt tcttggtctg caggaagtag ggagcaggga tgtggcatgg tgatgatctg 360
aggacagcca ggcataatgct cagacacttt ggaaaactgg ggagggg 407

<210> 943

<211> 259

<212> DNA

<213> Homo sapiens

<400> 943

ccaagaagca gtggccttat tgcataccaa accacgcctc ttgaccaggc tgccctccctt 60
gtggcagcaa cggcacagct aattctactc acagtgtttt taagtgaata tggtcgagaa 120
agaggcacca ggaagcgcgt ctggcgccgt gcagtcgcgt ggacgggatg gttctggctg 180
tttgagattc tcaaaggagc gagcatgtcg tggacacaca cagactattt ttagattttc 240
ttttgccttt gcaaccagg 259

<210> 944

0908300.03404

```
<400> 948
ccagcatatt ttgcgagtac tcaacaccaa catcgatggg cggcggaaaa tagcctttgc 60
catcactgcc attaagggtg tgggccgaag atatgctcat gtggtgttga ggaaagcaga 120
cattgacctc accaagaggg cgggagaact cactgaggat gaggtggaac gtgtgatcac 180
cattatgcag aatcacgcc agtacaagat cccgactgg ttcttgaaca gacagaagga 240
tgtaaaggat ggaaaataca gccaggtcct agccaatggt ctggacaaca agctccgtga 300
agacctggaq c                                     311
```

<210> 949
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 94
 <223> n = A,T,C or G

<400> 949
 ctgcaatcca tttatttcat ttacaaaaga tttattgtaa gcctctcaat cttgggttttt 60
 cagttgatct taagcatgtc aattcataaa aacnagtcac ttttgatatt ttcattcttta 120
 agaatgctta aaaaagctaa tccctaaaaat agtttagatct ttgtaaatgc atattaaata 180
 ataaagtatg acccacatta ctttttatgg gtgaaaataa gacaaaaata atagtttttag 240
 tgaggatggg gctgagtaaa cataaaaaact gatttgctct cag 283

<210> 950
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 950
 gaaaccttca ccgtgaagtc ctgtcctgat gccatcaaag aggtcttcga caataaatc 60
 cacatcatcg gcgcagtggt catcggcatt gccgtggtca tgatatttg catgatcttc 120
 agtatgatct tgtgctgtgc tatccgcagg aaccgcgaga tggcttagag tcagcttaca 180
 tccctgagca ggaaagttaa ccca 204

<210> 951
 <211> 121
 <212> DNA
 <213> Homo sapiens

<400> 951
 aaaaagctag aaccaatgat aatgatgca cttcagaaag aatccaagtt ccagaataat 60
 gtaattgtaa ttcttagtac cttaaagaat gaggttgtgt gtattttatt tttcttaact 120
 c 121

<210> 952
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 952
 cctcacttcc tgtagcttgg ggtgttattt aagcttctgc catctggccc acattaaaaa 60
 atgtatatgc tttttctcct gttaatctgt ctattgtcag cttgttttat agattcaaat 120
 tcttaaacct tcaaggtcta gaaaggaagt tcttctacc cctccaatag tataaagaag 180
 tggagccttt tggtaggtga tagagtcatt agggccctgc ctttaggcatt agagtttagt 240
 cctttataaa agaggcccag gggggcttgt ttgccccttc tgccatgtga gaacacagca 300
 agacagtgcc atctgtgaag tagagagtga gccctcacga gatgtggaat ctgctggtg 359

<210> 953
 <211> 516

<212> DNA
<213> Homo sapiens

<400> 953
 aaatgactgt gctgcccctt tgcattctac aaagttaaag agctaaaaga agtaaaataa 60
 gaaggcaatg cttgtggaat gtacagtgcg tattggcggc gcacgcctca ttacgattcg 120
 cctgcttgct tctcctgttc aatcgtttct ttggaaggca gtggattttt ctcttgcgctc 180
 tctgtcttct tcagtttcga cttatcgaat ttctcgatct cagccatata gggtttgtca 240
 gacatgggtg cggaggaaaa gcgaagcgag gcgcctgcct ttcccatctg tctatctatc 300
 tggctggcag ggaaggaaa aacttgcatt ttggtgaagg aagaagtggg gtggaagaag 360
 tggggtggga cgacagtga atctagagta aaaccaagct ggccaagggt gtccctgcagg 420
 ctgtaatgca gtttaatcag agtgccattt tttttttgtt caaatgattt taattattgg 480
 aatgcacaat ttttttaata tgcaataaaa aagttt 516

<210> 954
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 954
 cctgacagac gcgggacagt atgagccctg ttctggagtg gaaagagcac gatagagcac 60
 caggctaaga ggcacgagat caaggcggta gtcacttccg ctctgcagct agcatttcaa 120
 ccatatgtgg atcctttcat ttctcagctc cctggattcc tccccctaaa ttaggacctt 180
 ttatttacct gtaggtaagc aagctactgt agctcttctg aggtatctgc caggctgttt 240
 tctgtagcct cagattgcct acctgcttag cctgagaaca ggtagatgaa aactaaactg 300
 atgcctaggc ccagggtcag tctcagatgg aagctgggcc tgggtgggga ggctagcatg 360
 cgtggctccc tgggtatttc tgtcagtcct catggcaagc agtgatttag taaaacaccc 420
 cagagtcagg gaagccaacc accttgaaac ctttagaaca tctctgcttt ggagaaagac 480
 ccagagatca ggcagagggt cagattcaat cattactcat aacctttgag agatggcaaa 540
 tgggaggagt gtttag 555

<210> 955
 <211> 173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 54, 97, 119
 <223> n = A,T,C or G

<400> 955
 gctttttttt tttttttttt tttttttttt taggggaaaa taacttttat tganacccca 60
 ccaactgcaa aatctgttcc tggcatttaag ctcttnttct ctttgcaatt cgggtcttnt 120
 tcagtggctc catgaatgct ttcttctcct ccatggtctg gaagcggcca tgg 173

<210> 956
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 956
 ctgaggagac tccggcgctc gccatggccg acgaaaagcc caaggaagga gtcaagactg 60
 agaacaacga tcatattaat ttgaagggtg cggggcagga tggttctgtg gtgcagttta 120

agattaagag gcatacacca cttagtaaac taatgaaagc ctattgtgaa cgacagggat 180
 tgtcaatgag gcagatcaga ttccgatttg acgggcaacc aatcaatgaa acagacacac 240
 ctgcacagtt ggaaatggag gatgaagata caattgatgt gttccaacag cagacgggag 300
 gtgtctactg aaaagggAAC ctgcttcttt actccagaac tctgttcttt 350

<210> 957
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 957
 aaagaacatt tttattactt tcaagtttat acagtaatat ggcacaagct attgccagca 60
 ttcttgccaa gtacaaatgc ttggacctcc ccttaataca cagataaaat acataactta 120
 catttaaggg gagggtgata ctcaaagtgc ttaagtaaaa atttggtctc tttaatagtt 180
 tgaactgtcc cttgttagtc gtgtctaaaa cattgacctg aataatgaga aatcacaagc 240
 taatgtttta cttattcctt atatggtaag agactacctt tt 282

<210> 958
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 958
 ctgaatcaac tccaggtgcc cgtagtcgtg ataccaagag tagtagctgt tcaaacagat 60
 cacatccaca tacggagccc ccttgctctgc tgcatagtta gagggtgctca caaagggtcac 120
 aggccgggag ggggtccaagg atttggtgtg agcgatcacc atcttcaagt agtagccagc 180
 agattctagg tgggacgcag gctcgttgg 209

<210> 959
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 959
 ccatctgac tataaatgag gtggcatcga caaaagaacc attgaaaaat ttgagaagga 60
 ggctgctgag atgggaaagg gctccttcaa gtatgcctgg gtcttgata aactgaaagc 120
 tgagcgtgaa cgtggtatca ccattgatat ctcttctgtg aaatttgaga ccagcaagta 180
 ctatgtgact atcattgatg cccagggaca cagagacttt atcaaaaaca tgattacagg 240
 gacatctcag gctgactgtg ctgtcctgat tgttgctgct ggtgttggtg aatttgaagc 300
 tggatatctc aagaatgggc agaccgcaga gcatgccctt ctggcttaca cactgggtgt 360
 gaaacaacta attgtcgggtg ttaacaaaat ggattccact gagccaccct acagccagaa 420
 gagatatgag gaaattgtta aggaagtcag cacttacatt aagaaaattg gctacaaccc 480
 cgacacagta gcaattgttc caatttctgg ttggaatggt gacaacatgc tggagccaag 540
 tgctaacatg ccttggttca agggatggaa agtcac 576

<210> 960
 <211> 486
 <212> DNA
 <213> Homo sapiens

<400> 960
 aaaagaaaca tgaaatcata aagcaaagct aacagccaac caacaaatac cgcctagcaa 60
 tgatttccac tggatgtggg agagggttaa taaagacgct gttggtaacg cgtacagaac 120
 tatcactggc aatcagcata ctgagctatc cagtggaggc cagcatcgtg tttttgctaa 180

```

aatacatggt gtagaagtca taattcatag tgaagaatct caacagggtt tcttacagat 240
ttaattactc tcacacaaat aattcatttg gaaaccataa aagataccta tttacaccta 300
aactgcctgg ccttccagag cggggactaa aggggcaggg cggggaagaa agcgagcgtg 360
tcgcgggctc tgtgggggtg cagggtcact gttatittga tctgctgagc tcaaggactg 420
gaaacggaat aaaaatgcct actcgcctta ggcaggataa gaagttgtaa actcacccat 480
cagcag                                           486

```

```

<210> 961
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 961
ccttgccgcg tgccgaactg ctgaagaaag aaaagatcaa catccgcgtg ctggaccctt 60
tcaccatcaa gcccctggac agaaaactca ttctcgacag cgctcgtgcc accaagggca 120
ggatcctcac cgtggaggac cattattatg aagggtggcat tggtgaggct gtgtccagtg 180
cagtagtggg cgagcctggc atcactgtca cccacctggc agttaaccgg gtaccaagaa 240
gtgggaagcc ggctgagctg ctgaagatgt ttggtatcga cagggatgcc attgcacaag 300
ctgtgagggg cctcatcacc aagg                                           324

```

```

<210> 962
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<400> 962
ctgtcagggg cggcgtgcct ggtgatgagg catcttacct tcatcccat ctcagaatgg 60
gcagccagtc tcagattcaa ggaggaggaa tcttgagggt tggcggttcag tcttgaggta 120
gacctgaggt cccctggaaa ttgtgttgat gctgagatgg atgaggggtg ctcatctctt 180
caggtagaca gtgaggagtc ctggttcagc cgagcctcca tgtctgcatg gatggttatg 240
accctgattg tttttggaaa cagccaagct ctctaggtgt actcagcaaa tgcaaggat 300
agtgggtcct gcatacccag ggtattattt gagccatgga agcaaaacag agactgctta 360
gcctccctaa gagtagttgg tgggagaggc cagcaaccat ggaggcagga gcagctcctc 420
tttgctctg agtagtcccc acatgttccc tcttcagag atttcaactg ccagg      475

```

```

<210> 963
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 963
cctagtacaa tcttggaac agggttactg tatactgaag gtctgacagt agctcttaga 60
ctgcctatc ttaggtagtc atgctgtgca tttttttttt cattggtgta ctgtgtttga 120
tttgtctcat atatttgag tttttctgaa aaatggagca gtaatgcagc atcaacctat 180
taaaatacat ttttaagcct tt                                           202

```

```

<210> 964
<211> 596
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 537, 590

```


<223> n = A,T,C or G

<400> 964

```
ctgagaagag tgaggcagcg cctccggccc ctctgtgac gcacagcact cctgtaactg 60
tctcagaacc actcctggag aaagacttcc ttgcaggagt gactcaagaa ttaatcaaga 120
ctcttgaaga caactctgaa aagtgggctg tgattcccga tgcaggggat ggtgtggtca 180
agccctcgtc tagagcagac cccgcccaga cctctgacac attagccttg aacaaccaga 240
tggtgaccca gaacaggact ccacacagcg tttgccacca gaaaccacaa gcaaaatctg 300
gatcttggga cctccaaact tatagcgctg accaacgcac aacaggaaac tgggaatctc 360
ataggaagag ccaggacatg aagaaaagga aatatgatcc atcttaactg aggctcaggc 420
cacataattg gactctgtca caaagggact ttggaaaact actttttggt catgaaattg 480
ttcatcgctg ctggagaatg aacgtcattg caatttatct tgcttcattc tgaaccntta 540
tcaaaggat ctgactgaga gccactgca gttagagctg agcacttttn aaaagc 596
```

<210> 965

<211> 400

<212> DNA

<213> Homo sapiens

<400> 965

```
aaattttaca ctttttctta agaattctaa tgccgtctta agtttttata ccaataatgc 60
tgagctttta gtgtaggatc tggtagtaca gacagtgtga tggatgatgc tgctgggtgt 120
aaatttcata gtgtgtgtct aatttttttt cctgttgaat gggtaaaaac aaaacaaaac 180
tttttttaga agatgaattt gctgtcatgt tttgtggaat gagggaccgt tgagctcact 240
accacctgga gtttgagttg aagcatgaaa atgggtgccc tgccctgacgc tccagcgcct 300
ggatctgcac gtgcccttgt agaggatcct taccgtccta gagagcagac gctttctgaa 360
aactacttgc tccaaaagac cctctgagtt aacgtttcag 400
```

<210> 966

<211> 268

<212> DNA

<213> Homo sapiens

<400> 966

```
ctgggggggt tctccagac caccggcctc ggccccggca tccctgttgg gcgtcagcct 60
gagagtcctt actgtgcgtc agaatccacc ttgcgtgctg tgcgtatctg tgaacctgga 120
gcggttactt attttgacag atatcacttt gggctttttt acattaaatt tcttttctct 180
aaggaatata agacataccc catagctctg tgtgagccag caataccgct gccccctggc 240
gacagggcag accaatgatg ccaggcag 268
```

<210> 967

<211> 544

<212> DNA

<213> Homo sapiens

<400> 967

```
aaaatactac atgacattct gtctattcaa tcacctggtg gtcattcttc ttgtactaat 60
taactgttga tgagcatttt ggatattcta ggagaaagcc tataatttca catagtttct 120
ctttttcatg taactgtaac cttaaagtat tacttctgat aaaactatat atcaaatgtc 180
actgcaaat agttttatat ctgtcatgtg agatttgtct tacttatttt tcttttgggt 240
gccatggaag ttatggccct gaaaatcgtc tccctccctt tctcttgctg tacagcatgc 300
gttctctttt tgtggttgct ggctgggtac tgtatttaat gaagtagaga atagcacttg 360
caaaaatata gtcttggtac cttagagactg tcatgcagat agtataattt ggtatatgtg 420
ctaattgcatt gagtaaagga ttattttaac acactatttt gcttttgtat tttagttaaa 480
```

09920300-03101

ataatcgatg gggatgtgta gcccccccggt gtgaggatga catcaccaca tttctagttt 540
catg 544

<210> 968
<211> 345
<212> DNA
<213> Homo sapiens

<400> 968
ctgacgtgga agccctgggt gggcgtcccc tggctggcct ggcttttggg ttcaagtctg 60
tatgtatgga gtgggttggg gccccaaagc tttgctgcta ttgatttgtc cccgacagca 120
ggcaaagcct cacattgccc tcaattttcc ccttttcatt tgaaggacca gtttttcatg 180
gtacttgtct tgatcttttt catagtgttc aaatctgtat ttttgtatgt agaggggaaat 240
aattttctca acactaatcg ttaataacta ttgtattaaa ttgtcatgaa ggaacttggt 300
taataaatgg acgtgtaagg aaaaaaaaaa aaaaaaaaaa aaaaa 345

<210> 969
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 111, 114, 153, 293, 326
<223> n = A,T,C or G

<400> 969
ctgccccagg gcgttcgtaa cggaatgcc naagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ncnnaaagaa 120
aaatgacaaa gaggcagcat ggagagggcc canccctgta tgaggacccc ccagatcaga 180
aacctcaccc agtggaacac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggttaaag gaagaagccc canatatact 300
gtgccttcaa gagaccaaat gticanagaa caaactacca g 341

<210> 970
<211> 345
<212> DNA
<213> Homo sapiens

<400> 970
aaaccctgcg tggcaatccc tgacgcaccg ccgtgatgcc cagggaagac agggcgacct 60
ggaagtccaa ctacttcctt aagatcatcc aactattgga tgattatccg aaatgtttca 120
ttgtgggagc agacaatgtg ggctccaagc agatgcagca gatccgcatg tcccttcgcg 180
ggaaggctgt ggtgctgatg ggcaagaaca ccatgatgcg caaggccatc cgagggcacc 240
tggaaaacaa cccagctctg gagaaactgc tgccatcat ccgggggaat gtgggctttg 300
tgttcaccaa ggaggacctc actgagatca gggacatgtt gctgg 345

<210> 971
<211> 250
<212> DNA
<213> Homo sapiens

<400> 971
ctggagggct caccatgag ggacacgggt ggacaccac tgcttcacat gcctaattca 60

09920300.073101

cattagaaac atgtaaagcc attcagtctg tgcaatagag agatcctgta tgaaatccac 120
 tcattccttg gaggaagct ggcccgagg cacgctctgg ttgacgggtg acgcacagtc 180
 ctccagggcc tgcattgcat ccatgacaca gacacacgtg aacaccacgc ccgccggtcc 240
 tagcagccag 250

<210> 972

<211> 304

<212> DNA

<213> Homo sapiens

<400> 972

ctgtatagca tcttcactgt aaaggaggta agtaactccc taagctagca tgtaagtgc 60
 tgacattggg agaaaatata ttacaaagaa caggagctgg tttttgggtt tccttggtgc 120
 tgtgtttttg attgaaggga tgtgggatgg tggtagacaga agtctgagca tagtttctga 180
 ataattggag gggagatggg cattctttgg gactatgtcc gcattacatt gagttttctc 240
 cctctaggaa gagagagttt gtgttttatt ttctgtaagt aaaagctaca tgtttaggat 300
 tttt 304

<210> 973

<211> 541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 488

<223> n = A,T,C or G

<400> 973

gccgcgtccg ttcaccgcgg cctcagatga atgcggctgt taagacctgc aataatccag 60
 aatgactact ctgatctatg ttgataagga aaatggagaa ccaggcaccg gtgtggttgc 120
 taaggtatgg ctgaagctgg ggtctggacc ttcaatcaaa gccttagatg ggagatctca 180
 agttttcaaca ccacgttttg gcaaaacggt cgatgccccca ccagccttac cttaaagctac 240
 tagaaaggct ttgggaactg tcaacagagc tacagaaaag tctgtaaaga ccaagggacc 300
 cctcaaaca aaacagccaa gcttttctgc caaaaagatg actgagaaga ctgttaaagc 360
 aaaaagctct gttcctgcct cagatgatgc ctatccagaa atagaaaaat tctttccctt 420
 caatcctcta gacttcgaga gttttgacct gcctgaagag caccagattg cgcacctccc 480
 cttgagtnga gtgcctctca tgatccttga cgaggagaga gagcttgaaa agctgtttca 540
 g 541

<210> 974

<211> 578

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 499, 503, 550

<223> n = A,T,C or G

<400> 974

aaaaaaaaaa aaagtcacca gcaagtagtc ccgggtggga ggtgggagca gaataaaaaa 60
 aatctgcaat gattcctaata tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
 tttcatgagg aaggcacaac ttccaggtag tgttggggaa gggatatgagg tcctatgcag 180

09920300-073104

gctggcctct tatccacag atgccaagat gatgtctact ggcagctcct ccaaacttct 240
 ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgaggagcga ccaggatgtc 300
 atgaccaccc cggaacacac cagccaggag caacgtgtgg gtgttcttgt tatccggcac 360
 tttgtctgac ctctcacaag ggtgcattcc caagaacttc acaatattac ccacagcctc 420
 ttcaagtgtc ttgatggtag acaaggtgaa cgtttcctcc ttctcaaatt catccccctac 480
 ctcatcccag gctgcttcna aanttcagtt tcatgacctt ttgaatgtga tcagctacag 540
 taacttccan atcttccagc acatactcat cctcatag 578

<210> 975
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 975
 aaacctttat actccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
 aatccaggca caactacaag agcgggaatga cccctcagcaa ctgctattag atgccaagca 120
 catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180
 cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
 agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaaatt tcaaggatct 300
 gttaaatctg gtaaaagtag atcaaatacag agattgacag cctgtggagg gtgctgaact 360
 atacagaatt agacacaact atgtcattat tttttgtacc tactgctcag aa 412

<210> 976
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 976
 ggcaggagaa tggcgcgaac ccgggagacg gaggttgcag tgagccgaga tcacgccact 60
 gcactccagc ctgggcgaca gagcgagact tcatctcaaa aaaaagaaaa aaaaaggat 120
 tcataaggta cctcgaggga tgatgaaatg agtaacttga caaatctttg gggcttggaa 180
 aagtctactc tacatcactt ggggcagggc atgacatagc atatatattgg gatacacatg 240
 cctgacagcc cagtcttcat ttgaggaatc tgggatcaat acatgatcca aatcttggta 300
 ctgtgggtct tgtatttggg tttccatgtg gatttcatat cggccagggc tggagttact 360
 gtccctgttc atgatggtgg tgctggtgac ctatggggca tcctaacttc cttcccaggc 420
 agatgtccct gctgcattgg 440

<210> 977
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 977
 ccgggcagggt ccataattta ttatctcacc acaaggcaca atacacagag ctttgagggt 60
 ccaatacagt catcgtgaca gaacgcaccg cagccttggc acatgatcat ggctttcagg 120
 ctgcacgcac actggagcga gatgctttcc accgtgctgc tgtcagtga cttttgcaag 180
 gaaagtgatg cactgtggct cgcaccaaag tttgctttgt ggctcag 227

<210> 978
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 978

gccaaagagg tcgaagtgg tctggaaact ttggtggtgg tcgtggaggt ggtttcggtg 60
 ggaatgacaa cttcggtcgt ggaggaaact tcagtggtcg tggaggcttt ggtggcagcc 120
 gtggtggtgg tggatatggt ggcagtgggg atggctataa tggatttggg aatgatggaa 180
 gcaattttgg aggtggtgga agctacaatg attttgggaa ttacaacaat cagtcttcaa 240
 attttggacc catgaaggga ggaaattttg gaggcagaag ctctggcccc tatggcgggtg 300
 gaggccaaata ctttgcaaaa ccacgaaacc aaggtggcta tggcggttcc agcagcagca 360
 gtagctatgg cagtggcaga agattttaat taggaaaca 399

<210> 979
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 979
 aaacttgga agagtcataa ttctgggatg ttccacatgt tgtcagcttt aaccttctac 60
 agacacaggc cctctcctct gtgaggaggg acctctggca tgtgtgggtg tgtggtgggt 120
 cctctccct attagcagaa atgtgttggg catgagccag gtttatgatt tggattgtgt 180
 cctgcacata acacctgtga gaatacaact gggactagga caatgcggga agcatattct 240
 tcatgaggcg gtaacaaaaa ggcttggcta taccaaagga ttctggtggc cgggcacggt 300
 ggctcacacc tgtaatgcca gcactttggg aggccaaggc gggtagatca cttgaggtcc 360
 aggagttcga gccagcctg g 381

<210> 980
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 980
 ccacaaatgg cgtggtccat gtcatcacca atgttctgca gcctccagcc aacagacctc 60
 aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaaca gcatcagct 120
 ttccagggc ttcccagagg tctgtgcgac tagcccctgt ctatcaaaag ttattagaga 180
 ggatgaagca ttagcttgaa gcactacagg aggaatgcac cacggcagct ctccgccaat 240
 ttctctcaga ttccacaga gactgtttga atgttttcaa aaccaagtat cacactttaa 300
 tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggaggagag 360
 agatgtactt ttt 373

<210> 981
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 473
 <223> n = A,T,C or G

<400> 981
 cctcctcaga cactctcaag aggatgggga gatgacacca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgctca aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacc 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagagatg 420

atagaaaaaa gccttcactt caaagaagtc aaatttcattg aagaaaacct ctngcacatt 480
gacaaa 486

<210> 982
<211> 448
<212> DNA
<213> Homo sapiens

<400> 982
ccagactcct ggaagagcag ggtcatgctg gctgggacac agtagagggg ttttatatct 60
ggagggtgat agggctgttc cctgctaccc tctgggatag tctgggaggt cggggagggc 120
tcgggtatga cgaaagatgt aatcctcggg tgtttccagt ccacagccac aatgctctcc 180
acccctttgc tcagctcctt cacctgtata atctgctcct gctgcatttg ctgcaggaac 240
ttagagagct tttttagctg tgacttcttt atgtccagtt gtcgtccttc ggggcagcag 300
gagaacatgt ggctgccaaag gaaagtgtg gtgagtaaag ggaggtcagc ctttttgact 360
cggcacttca aggcattgta gaagcattgc tgtaacagct catccatttg ttcttgaagc 420
gttttgctat ctgtggagtc ttgggttca 448

<210> 983
<211> 476
<212> DNA
<213> Homo sapiens

<400> 983
ctgcatcacg gggaacacag catctcctgg atgcaggaag ctgcaagcat ctggaatgct 60
tattaattta cccacaaaat aaatacaaaa ggtcaatctt cccagtggaa atgattccat 120
cgatttttgt gactttctga tgagaatgct aaaaagaaga gttgcccctt ttctaaaatt 180
ccaaatcttt cttttttgaa gatgactaca tgtgaaagaa ataaaatgtg aaaagatttg 240
ttaaggatga ctggctctag taccaactaa atgccaaagg ggactgtaag tcaactgaggt 300
gacacaaagc agccatgggt ttctctcgcc ttttttatgg ggaaaatgca cttttcaatc 360
ctagaagata attggacttg gcaaagtccc tatcggtagc aactattttc ttactttaaa 420
aaaaaaaggg tgagctggga gccagactgt gcacatcagc caagattgct attgcc 476

<210> 984
<211> 333
<212> DNA
<213> Homo sapiens

<400> 984
ccacttggcc caggtagaag tagatgaagt gtttggtttc atgtgtcaca taactaccga 60
agttcctccc cacgatgcaa tgccagggtg gattgtactt cttgtcaaatt tccttcttga 120
tatgagccgc aatgtccttc tctatgttgt atttctccag cgctgagta gcgcaactcca 180
ccgagtctctg ttgcatctct tccgacatgt ccgcattttt gatcacggcc ttctcggtcgc 240
acatggttac cgtggagaag ggggctggcc gactgcaacg gtctcctggg ggagggtgcta 300
gcacagctca ggcccggcta gagctaccgt cgc 333

<210> 985
<211> 181
<212> DNA
<213> Homo sapiens

<400> 985
gggttatcga atgggtggtga atgaagggtc agatgggtgga cagtctgtct atcacgttca 60
tctccatgtt cttggaggtc ggcaaatgca ttggcctcct ggttaagcac gttttgggga 120

taattttctc ttcttttaggc aatgattaag ttaggcaatt tccagtatgt taagtaacac 180
a 181

<210> 986
<211> 382
<212> DNA
<213> Homo sapiens

<400> 986
ctggccaaga accgcctcta tcaggccagt cagagagctg atgacatctt ggacctgaag 60
ttctgcatgg atggagttca gactgctttg aggagtgaag attatgagca ggctgcagca 120
catattcatc gctacttgtg cctggacaag tcggtcattg agctcagccg acagggcaaa 180
gaggggagca tgattgatgc caacctgaaa ttgctgcagg aagctgagca acgtctcaaa 240
gccattgtgg cagagaagtt tgccattgcc accaaggaag gtgatctgcc ccaggtggag 300
cgcttcttca agatcttccc actgctgggt ttgcatgagg agggattaag aaagtctctcg 360
gagtaccttt gcaagcaggt gg 382

<210> 987
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 33, 34
<223> n = A,T,C or G

<400> 987
tacgacncac tatagggcga attgggccct cttnnatgcat gctcgagcgg ccgcccgggc 60
aggctctgctc tagcacctga cttccttgga gtcagggtac cagggagagg gaggagcacc 120
agggtggggg atatttaggg gacctctttc cttcaggacc acacccttct aggtgaaagc 180
acaaacactt gattactttg cattccatct gcaaaaacag atttaggttt tgaatatggt 240
gaaaaacgaa gaaaggaaaa tataaaactc tgtattttat atacagtaag gaataatgga 300
ggctgataat gatcttgtga tcagctaaga caatgtcagt aagcaggtga ggtaggggtgc 360
tttctatggg caaaaggggcg aatatcttga atgaccagaa atgactcgaa gagctgcatt 420
actatcatgg tagcatgcat gaagtgatac atctaaacct ttgctaacct aacattatta 480
ctctcaagct ttattatcct caaggcttaa atggctgtag ctgtttaatt t 531

<210> 988
<211> 183
<212> DNA
<213> Homo sapiens

<400> 988
ccttcttcaa cagcgactct aggaagagct cgagcgcccc ggagatgatg acaggcaccg 60
ccgccgccac cttcccaatc tcttcgtccg tctgcatgat cttcttgatc cgcgccggcg 120
ggaaccgcgc gttgtacttc ttcttcttgc tcggcatctc ggggcctctc tcgccgcgctc 180
ggg 183

<210> 989
<211> 350
<212> DNA
<213> Homo sapiens

09920300 "073101

<400> 989

```

ccaaaaacaa aaaagaaaa aaacatgaca tctgtcatgt aaaacctttt tttatcccta 60
tgggacttga ggaacagaat cagtacttca gttattgtaa atagtgaagt aaacctcaaa 120
tttctatcac ccagttgccc ttttcatgaa ctaaacaatt atctgtgtga ttgggtatgtt 180
tcaccagggtc actgctcatg tataacagta ctctttatatt gtagatacct tttttgtata 240
tatttattat tgtaaatcat gtgctgccac cagcagtcgt taagtctaaa ctattaaatg 300
acacatttat atttggaatt ttaattttta actaagcgat caagtttttt 350

```

<210> 990

<211> 496

<212> DNA

<213> Homo sapiens

<400> 990

```

aaatgatttt tattacggtg tggtcactta tttagatgga cattgctttt caaataactt 60
aaaataacac gttatgtgcc atgtggctac tttagtaata ttgccaagaa gagcacagtt 120
tttacactag tggcatctca gtgaaattaa ccaaagatga agctttggct ttgctggtga 180
gatcagagcc ctcttgagca ggcagcgcca ctccagggtt cagacagggtc tgcacaggcg 240
gcagagatac agggctctgag ggctgagacg ccatggggcc gctgctgctt atgtgggttg 300
attgtttaca agcctcatta ttaaaactga aggcattttt tttttctgct gcctttccca 360
aagtgggttag gtttggaata gagatgatga tggtaatat ttattttgtgc tttttaagcc 420
atttcccaa atgggactag catgcttggt ttcagtatac cgtggcctgc ctcatgatgg 480
tttggagata ctgtct 496

```

<210> 991

<211> 450

<212> DNA

<213> Homo sapiens

<400> 991

```

aaaaaacttc gaaagtcaca gacacagaat ttaggaagct gaaggctgag agtctccctt 60
ctcacttaat ccattgctta ttttgcatc ctacaggta aggaggcagt gcctgttatg 120
ctgtggacca aaaccagccc cacggagctg atcttcaaaa aaatggaatt tactctggca 180
tactcctatg tatgatacct ttccaaggcc aaatcccaag agaccagcaa gtgcaacttt 240
gggcaatgat ccaaatctag aattagctgc caaataacct tggtagacta gtccctgggt 300
gacaagcatg cttacaagag aaaaaggcag agctctcttc cagaaacttt cttcctgaca 360
ttctcgcata atctttgaga tctctgctct gtggatgtgc agttttgatt ttggacaaaa 420
caacaggctc tgcttgcttg gtggtggaaa 450

```

<210> 992

<211> 449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 57, 141, 157, 212, 442

<223> n = A,T,C or G

<400> 992

```

aaactgtcta aaaaaaaaaa aaaaaaaaaa aaaaaaaagc ttgtacaaaa cctacanact 60
tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt ggtgtgctgg 120
cctcggacac gaaggcccca naagtgacgc agccctntat gggcccgaat cttcttcagt 180
cgctccaggt cttcacggag cttgttgtcc anaccattgg ctaggacctg gctgtatatt 240

```



```
ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta ctggcgtgga 300
ttctgcataa tggatgacac acgttccacc tcatcctcag tgagttctcc cgccctcttg 360
gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc cacaccctta 420
atggcagtgga tggcaaaggc tnttttccg 449
```

```
<210> 993
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 381
<223> n = A,T,C or G
```

```
<400> 993
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gccacagtg aagttcctca cgccctgcta tcacccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtggc tgccctgtat gatgtcagga 180
ccattctgct ctccatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagcttttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gacccaggct gccagacctg tccttggtgtc 360
gtctttttta ttttccctta natggctctgt cctttttgtg atttctgtat aggactcttt 420
atcttgagct gtggtatatt tgttttgttt ttgtctttt 459
```

```
<210> 994
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<400> 994
aggagggtct acagctcgaa gaaccatcat catcaagggc tatgtgcctc ccacaggcaa 60
gagctttgct atcaacttca aggtggggtc ctcaggggac atagctctgc acattaatcc 120
ccgcatgggc aacggtaccg tgggtccgaa cagccttctg aatggctcgt ggggatccga 180
ggagaagaag atcacccaca acccatttgg tcccgagacag ttctttgatc tgtccattcg 240
ctgtggcttg gatcgcttca aggtttacgc caatggaaac tctagatcag aattgttgac 300
ttgcattcag aacataaatg cacaaaatct gtacatgtct cccatcagaa agattcattg 360
gcatgccaca ggggattctc ctccctcatc ctgtaaaggc caacaataaa aaccaaatta 420
tggggctgct tttatcacac tagcatagag aatgtgtt 458
```

```
<210> 995
<211> 402
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 398
<223> n = A,T,C or G
```

```
<400> 995
ccagtttcag ttcttcagca gaactgtctc ctttcttggg ggccgagggc ttcttgggga 60
agaggatgag ttggagcgg tactccttca gccgtgcac gttggcctgc agggactccg 120
tggacttggt ccgcctctc ggatccacag aaatgccgat ggtcacctgc ccgggcggcc 180
```

gcccgggcag gtaaaaaaaaa aattccagaa tgggtaagag aacaatcatc aaggatgtag 240
 gtgccagaca cagggcagaa ggtagctaga aaagtatgcc ttagggaagt taaaggtcta 300
 gcctcattcc taccttgitt taatagctgt acctaataa aatagctaag tttccattg 360
 ttctagattc ctctgcccc tctacaaaca tggcacancc ag 402

<210> 996
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 996
 ctgtttcaaa gttgggggtct gttcttgaat cccctattaa ttactgtgtg tgagccagag 60
 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact ccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aaggttcttc ttattttgtg ggctgggttg tgtagaaaca cataacaaag ggagccctc 300
 cacttctggt ataattgtgt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtgggtc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcataatga cttgtttgct atgactacat 480
 tttgagg 487

<210> 997
 <211> 529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411, 485
 <223> n = A,T,C or G

<400> 997
 cctgacattc ctgccttctt atattaataa gacaaaacaa aatagtgttg aagtgttgga 60
 gcggcgaaaa tttttggggg gtggtatgga gagagaatgg gcgatgtttc tcagggtgc 120
 ttcaagtggg attggggcgg cgtgggaaca taaagtggga gagattaagc tgaagggaag 180
 tcttgtggta agggatgata ttgtggggat gttagaagaa acatttgtca tatagaatga 240
 ttggtgatgg cctggacaca gttttggatg aactgagaag ctaaatggaa gatacaaggt 300
 ctgaataaaa ggaggagaaa aatgggtatt aaaggactaa gaattgggag gacccaggac 360
 atccaattag agagtgccca aggggggttca gcgtaattac ttgcttgggt ngcaagtttt 420
 tgggctctat ccttgagttt ttttatgttg tcatacacca ggccagactg atttaggtaa 480
 aaacnacact cctcatttaa gaatatgcag agtcctcctt tttcagcag 529

<210> 998
 <211> 509
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 496
 <223> n = A,T,C or G

<400> 998
 ccaggctggg tttgatctcc tgacctcaag cgatccactg tctctgggct cccaaagtgt 60

tgagattaca ggtgtgagcc accatgctcg ctgagagcag atatttgaaa tgtcactttg 120
 agttctgaga aaaagtaaaa agccagaaga catactagat atataaatat attactgctt 180
 aaaaagattt cctaaaaaga aatgtatcaa gtgtatgaat caaagtctga aagaaagatg 240
 aagagccacc agacttctgg gtaggtttac atccatcatg ttcctcttga ctgcctttgt 300
 ttgtcgttta gttttttgct ccactcaagc ctgttagaat caccatggaa tacagctcca 360
 gtgggaaggc cactggagaa gctgatgtgc actttgagac ccatgaggat gctgttgcat 420
 cgatgctcaa ggatcgggcc cacgttcac ataggtatat tgaactgttc ctgaattcat 480
 gtccaaaagg aaatnagac tctaggggc 509

<210> 999
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 71, 90, 154, 157, 159, 197, 215, 247, 256, 269, 299
 <223> n = A,T,C or G

<400> 999
 tttttttttt tttttttttt ttttttctgg gaaaagtttc ttttaataaaa aagttctagt 60
 acatatacac nattgtcctc acccttcatn tatagcaacg caacagggaa aataaaaaat 120
 aaggggcaac ctaggcacac tcagtataaa aacncanana tccatccgaa tgggagggcat 180
 tgggggtctgg aaaccanaaa tgcaggacgg ccagngggcc cagcagctct gggctgcact 240
 tttgaanaac tttctntaac gttttgaana tagcattaaa aaaaaaaaaat taagttgcnc 300
 caggagg 307

<210> 1000
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 1000
 ccaaacagaa gagaaggcag aggccacca agagctgatg ctgcgcagtc cttgggggat 60
 catcctccgg tctcactggg gacgaacca ggttctggag cctctcccct gacagacagc 120
 ttgtcaccgg cacttatggg tcctctggga tticagacaa tacccaactt ctgtaggttc 180
 agaaagtgtc ttcaagcagg cagtggcacc cacaccgggt gggacacacc tcctgggtcc 240
 gaaaccactc catcatgtgg ctggtgtgg 269

<210> 1001
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 248, 250, 256, 265, 414, 448, 462
 <223> n = A,T,C or G

<400> 1001
 ccatcaaggc agcaaattcta atgactccgg ggaagaagca gaaaaagagt ttatTTTTTgt 60
 gtaaagggtca cccacgcaga agtcttctctg tgcagggtgc tttggtagcc atcagagagg 120
 aaccaagggc aacatctttt ctccccaggc gttcttctct ggggtgcttta ttctcttctt 180
 ttcttttatt tcgccccac ccccatcccc tgcctttttt tttttttttt tttttttttt 240

09920300.073101

```

tttggganan aaacanatcc atttnttggg aatcaaagca cttttgtttg gtcttcctcc 300
aaccccttgc atttgatttc taaacattcc ttcatatgcc tttaatgaaa gccagcaatt 360
atcccatggg ccctacttga atttatctga ggcagctaca gattgccctg caanatgagt 420
ttttggagat aaatgaaata actggacnca cactcacaca angtaacac 469

```

```

<210> 1002
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
ccagttgaat gggggaagct gctggcacag gaaggagagg cgatcccggc tgaggcttag 60
gaaattgctg gagccggctc caagcagata attcactggg gaggttttca gagtcaaaca 120
tcattctgcc tgtgttgggg gccagggtgtg tcacacaagc atctcaaagt caaaagccat 180
ctggggctgc tgcttctctt tctcaggctc tggggaaaagg aatctccctc tcctctcact 240
tgattccaag tgtggttgaa ttgtctggag cactgggact ttttttctct ttctcttgat 300
ggaccaacag tgcaaatagca atctcgccat ttaactttca ggtcgatttc ctttcttgat 360
cagacatctt tgtgccccct ttaggaagga aagaatacac ctacgatgtg ccaggcactg 420
tgttaggcgc ttttatatag atcctcgltt ggatgagact aagggatgag g 471

```

```

<210> 1003
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 184, 249, 251, 272, 287, 323
<223> n = A,T,C or G

```

```

<400> 1003
ctgtatgcgt ggtccacagg tgtcctttgc cttgggtagc ctttacaggc cgaatttttt 60
tttttttttt tttttttttt tttgagatgg agtccttgctc tgtcaccacg gctggagcgc 120
agtggcacga tcttggtctc ctgcaacctc cgccctcccg gttcaagtga ttctcctggc 180
tcancctcct gagtagctgg gattacaggt gcctgccaca cacctggcta atttttgtat 240
ttttagtana naaaaagggt atggtgagga anaggatgga gatgaanatg aggaagctga 300
gtcagctacg ggcaagcggg can 323

```

```

<210> 1004
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<400> 1004
aaatgcattt tttttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tccattttgt 120
cttaagtctc ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
tccaaaataa ttgccacatt tgttaacatt ttccatttc taaaccatcc ttaaagaaaa 240
tcatatatgg ggtcacacca tctcacggg agtccaatag agcaaccatg ccatctggat 300
tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
gtttctgcagt cctgtcata aaaggtttta ctctttctgg tctctgttct tcaagtttcc 420
ctttgattga tttcatgtaa tctttgatgt acttcttgta ggcttctttt gtgaaacttg 480
tttctgcag gtgatggttc atgacaatat cgacaccagt gattactgtg c 531

```

<210> 1005
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 1005
 ccagggtgagg ccaggacctc acggcctcct ttgtgttgct catggaagac caacttccgg 60
 gcaactgaag ggaggtttgt aggggccact aggacccctt ggagcatctt ggaggagggtc 120
 tgcggacatg ggggctgggt ggcaaaggaa atacagacct caaagtggcc tacaactccc 180
 tccagggtgg gtcccctcga gggatattcc caggcccctt ggaagggtaa ggcagggggg 240
 ctttgccctcc cagctttgtc ttccggtagt taaggcgctt gaaagcttcc aggtcccgt 300
 ggggtgcccac gatcagccgg ttccaggttg agagctcaac gatgaggcca cgcacgacgt 360
 tgggtggcatc ctccatcctg gagg 384

<210> 1006
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1006
 ccgaagtga ctggcccctg ggtcagtcct gtgggaggac ggtgcaaccc aaggactgag 60
 ggactctgaa gcctctggga aatgagaagg cagccaccag cgaatgctag gtctcagact 120
 aagcctacct gctctccaag tctcagtggc ttcattctgtc aagtgggac tgtcacacca 180
 gccatactta tctctctgtg ctgtggaagc aacaggaatc aagagctgcc ctcccttgctc 240
 acccacctat gtgccaaactg ttgtaactag gctcagagat gtgcacccat gggctctgac 300
 agaaagcaga tacctcacc tgcacacat acaggatttg aactcagatc tgtctgatag 360
 gaattgtgaaa gcacagactc ttactgtctaa cttttgtgta tcgtaaccag ccagatcctc 420
 ttggttattt gtttaccact tgtattatta atgccattat ccctgaattc cccttgccac 480
 cccaccctcc ctggagtgtg gctgaggagg 510

<210> 1007
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 1007
 cctgattcac tggcctggcg gagatgcttc taaggcatgg tcgggggaga gggccaacaa 60
 ctgtccctcc ttgagcacca gccccacca agcaagcaga catttatctt ttgggtctgt 120
 cctctctgtt gcctttttac agccaacttt tctagacctg ttttgctttt gtaacttgaa 180
 gatatttatt ctgggttttg tagcattttt attaatatgg tgacttttt 229

<210> 1008
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1008
 aaagaaaaag acaaaagaaa gtggaagtgg tattccccac cctccctgc acccatgtgc 60
 ctgggcttcc cctttatttc ccttttccat ttaccccgta atgtgtctct acagctacct 120
 taccactgag ccgtaagaca aatgtatagg aagaagcaaa gtctacagca catagtcttt 180
 gtaagggtat gatgtgaaca cttttttttg gatgcactaa ggagttatca atacttctgg 240
 ctttatgaga gctcttaaat tttgtctaaa aaaccaaagg gctgtgagta agggagctat 300
 gtggaaagtg ggactctgaa gtgtattttg aaaattaatc gccaccctct tccaaattat 360
 agaatttttt 370

<210> 1009
 <211> 559
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499
 <223> n = A,T,C or G

<400> 1009
 tgcgagtgga gtgtccgctg tgcccggggc tgcaccatga gcgtcccggc cttcatcgac 60
 atcagtgaag aagatcaggc tgctgagctt cgtgcttatac tgaaatctaa aggagctgag 120
 atttcagaag agaactcggg aggtggactt catgttgatt tagctcaaata tattgaagcc 180
 tgtgatgtgt gtctgaagga ggatgataaa gatgttgaaa gtgtgatgaa cagtgtggta 240
 tccctactct tgatcctgga accagacaag caagaagctt tgattgaaag cctatgtgaa 300
 aagctgggtca aatttcgcga aggtgaacgc ccgtctctga gactgcagtt gttaagcaac 360
 cttttccacg ggatggataa gaataactct gtaagataca cagtgtattg cagccttatt 420
 aaagtggcag catcttggtg ggccatccag tacatcccaa ctgagctgga tcaagttaga 480
 aaatggattt ctgactggna tctcaccact gaaaaaaagc acaccctttt aagactactt 540
 tatgaggcac ttgtggatt 559

<210> 1010
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
 catacttccc ccattattcc tagaaccagg cgacctgcga ctcttgacg ttgacaatcg 120
 agtagtactc ccgattgaag ccccatctcg tataataatt acatcacaag acgtcttgca 180
 ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
 aaccactttc accgctacac gaccgggggt atactacggc caatgctctg aaatctgtgg 300
 agcaaacacac agtttcatgc ccctcgtcct 330

<210> 1011
 <211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1011
 aaaaaaacia caacaacatt ttttcaacaa tttcaacaat gacacaaaaa ttcacatgga 60
 aatgggggaag atggtctggt ttgacagaaa ctgacaggaa tcaatcaaaa caatcgaatt 120
 ttgaattgag taaagtgcga tttcatttga tagctaaata tctttgtaag atagagattg 180
 ttgaaaattc tatttttgtt tttctagtcc tttcacccca ggactctaaa ttattgggtg 240
 aaaaaacagc ctttgaagaa aaaggggagc tatttttgct ttttatgttt tttattgtta 300
 aacttgatc cctttcacac cattaggtga tgctttggac agaacagagt attttcatct 360
 tgtgtttcca tcagaataac tacaagccat actgaggcgg cagcaggagc gaccaactga 420
 tcgcacacat gctttgtttg gatattggagt gaacacaatt atgtacaaa ttttaacttg 480
 caaactttct attgcctgtc ccatgtgcat cttattt 517

<210> 1012
 <211> 308

<212> DNA

<213> Homo sapiens

<400> 1012

```

aaacttggca ttggctatct tcacacattc ctcaagcggt gtgatgaatg tggttacacgt 60
ggcactaagc agagaagagg cttcattcat gttctctgca ctaggagatg aatgattctc 120
atcatgggtga acaaattcct gtatcgtatg aacttgctgc attaagaggt cacagtagag 180
gcgaagttca gacatttttg ttttcagcga ttcactgggt tcacttattt ctttttcttt 240
tttagtcctt gtatcagtc aacatgcttt ggagctcccc agagcgacca gccacctctg 300
tctttcag                                     308

```

<210> 1013

<211> 422

<212> DNA

<213> Homo sapiens

<400> 1013

```

ctgatttata atctttctaaa ggaagaacag accccccaga ataagattac agttggtggg 60
gttgggtgctg ttggcatggc ctgtgccatc agtatcttaa tgaaggactt ggcagatgaa 120
cttgctcttg ttgatgtcat cgaagacaaa ttgaaggagg agatgatgga tctccaacat 180
ggcagccttt tccttagaac accaaagatt gtctctggca aagactataa tgtaactgca 240
aactccaagc tggtcattat cacggctggg gcacgtcagc aagagggaga aagccgtctt 300
aatttgggtcc agcgtaacgt gaacatcttt aaattcatca ttcctaattg tgtaaaatac 360
agcccgaact gcaagttgct tattgtttca aatccagtgg atatcttgac ctacgtgggt 420
tg                                             422

```

<210> 1014

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1014

```

caagttcttg ttattttccaa atagaatgga cttgggtctgt taaggggctaa ggagaagagg 60
aagataagggt taaaagttgt taatgaccaa acatttctaaa agaaatgcaa aaaaaagtt 120
tattttcaag ccttcgaact atttaaggaa agcaaaatca tttcctaaat gcatatcatt 180
tgtgagaatt tctcattaat atcctgaatc attcatttca gctaaggctt catgttgact 240
cgatatgtca tctaggaaag tactatttca tgggtccaaac ctgttgccat agttggtaag 300
gcttttcttt aagtgtgaaa tatttagatg aaattttctc tttt                                     344

```

<210> 1015

<211> 464

<212> DNA

<213> Homo sapiens

<400> 1015

```

cctggggctg ttgagacggg agatgtcccc actgtgctgc tcctggtttt gtctcctctc 60
caatccttga gcaccctgat atgcaacatg gggggtaatc agaaggagga ggcagcctct 120
gatgaggcaa cggctgaggg tgggggcagt gtgtaaggca ccttttgagg tcagcccggc 180
cacactccat cgccagagag aatgccaaag tgtagactga atgaaattct gtaggcaaat 240
ggtaaatggg agctggggcca gtagctatct gcatgggtgg attatatcat gttaagggaa 300
ttctttatct cagcagaggg aacagaggaa tatcttgggt aaggatcatc tgccagtcag 360
gagaagccac cctccaggga ccacagactc aaagtggctg tggtagagac ccaccgcctg 420
ggtaggggga tgtcaagaca ctgagaggtt tccatctgca gtgg                                     464

```

05920300.073401

<210> 1016
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1016
 aaagttaacc acagcataat gaatcctcaa cgtccagagt tctacaaaaa tccagcaaaa 60
 cttacttttg ctcatcctc agttctatgt cactccttag tttccctaaa aaaatatggc 120
 ttataaaaa gtagcttcta taattcaca aatgaagagt ttattataa ttgagtatc 180
 atctctgtat caccgacagc acagctttag aaaattattg cttttcttat tatcttatta 240
 tttcagggtt cattacacat cgagtaccca tgcaggactc actacattgt ataataacta 300
 tgatctatag tgataaaaa atagaagtat ctttgatttt aatcctaaaa gcagggggaa 360
 aaagtcacct tatcttaatg ttaacaaaat caagagctac ccctaataa tcgatcaaac 420
 cacttcttat ggctttgctt atagttgctc atggctcttt caaatgatg tggtagctac 480
 cttcttttct gacaaaggat tattttt 506

<210> 1017
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1017
 ccacagaaag ttccataaac aagtgtactg ttttaaccaat tcccttctat taccacaaca 60
 atatgtaccc aggggttttat gtatacactt aagatttggg ggaatgcaaa aggggaaggg 120
 gactgttttag aatttccttg gaaatgtctg tgcacattac aacgtccac ggagccaaat 180
 tccttccaaa ctgatgagca agctcttgat tcttgagtca tgatgttatt ttcttcta 240
 ttttccgaac cgtctttggt tgactggaca ccatattgac agcttcagat ggtaggccaa 300
 catatactcc tccatagttt ctctcttctg catcttctgt tacggattct tctgttacat 360
 ctttggctgc tctgacaggg ccttggcccg cgccgcgcgt ggtggcgg 408

<210> 1018
 <211> 576
 <212> DNA
 <213> Homo sapiens

<400> 1018
 cctcctcaga cactctcaag aggatgggga gatgacatca cttgggtaca aacttatgaa 60
 gaaggtctct tttatgtcta aaaaagtaag aagccattaa tggttattca tcacctggag 120
 gattgtcaat actctcaagc actaaagaaa gtatttgccc aaaatgaaga aatacaagaa 180
 atggctcaga ataagttcat catgctaaac cttatgcatg aaaccactga taagaattta 240
 tcacctgatg ggcaatatgt gcctagaatc atgtttgtag acccttcttt aacagttaga 300
 gctgacatag ctggaagata ctctaacaga ttgtacacat atgagcctcg ggatttacct 360
 ctattgatag aaaacatgaa gaaagcatta agacttattc agtcagagct ataagaaatg 420
 atggaaaaaa gccttcactt caaagaagtc aaatttcatt aagaaaacct ctggcacatt 480
 gacaaatact aaatgtgcaa gtatatagat tttgtaatat tactatttag tttttttaat 540
 gtgtttgcaa tagtcttatt aaaataaatg tttttt 576

<210> 1019
 <211> 602
 <212> DNA
 <213> Homo sapiens

<400> 1019
 cctgggactg atgcaagaca gccagccagt cacctccgcc tcccatgaac ctcttggaaa 60

09920300.073404


```

acttctcctg tcccacttct gccaccctcc agctccttga gagagccaga gttgagaaga 120
aatgagcct gaagttgaaa gggaaagtgc ttgcctgaaa cagtgcctggg aataagtcca 180
gaccatttcc ctcaagagcc acctcttcac tccttaagcc agaggacacc acaaagacac 240
agttaatggc ctctcatgcc actcctcagg tggcttgtga gggcagccag tgagggactg 300
caggatttca gggaagtagc tcagatggcc cactcagaac ttctgtaaga atttgaggac 360
aaggtcccgc agtcgcactc tgagcatctc gtcattgtcg cagatgatat gggtcgagtc 420
ttcttcaatc tggatgagcg tctcagcctc ctggagcagg acgatatggc ccttggctgt 480
gtcctccacc ttaatatcac tgaagccatg ctgctccaga agaaaagaaa gaggtgggct 540
gggcagactg cacatctgtg agatctgtaa atgacacttc acagactcga ctgaactttc 600
ta 602

```

```

<210> 1020
<211> 420
<212> DNA
<213> Homo sapiens

```

```

<400> 1020
caaaaatcct tgaataacct gggcacagtg gcacacctat aatcctagca ctttgggagg 60
ctgaggcagg cggatcacct gaggttggga gttccagacc agcctgacta acacggtgaa 120
accccatctc taatgaaaat acaaaaaatt agctgggcgt ggtggcgggc gcctgtagtc 180
ccagctactg gggagctgag gcaggaaaat cacttgaact cgggaggtgg aggttgcagt 240
gaaccgagat tgcaccactg cactccagcc tggtagacagt gagactccat ctcaaaaaaa 300
caaaaacaaa acaaaaaaca aaaaaacact gacctgatat ccaagcttta tgtgaataaa 360
aatgtaactt accatcaaat agtcaataaa aaaaatatga aaatggacaa ggttattgaa 420

```

```

<210> 1021
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 442
<223> n = A,T,C or G

```

```

<400> 1021
ccaggagcta aacaatttga ggtcaagatg tggcgttaac aatgttccca cagatcacag 60
aaacacaagt ggacagcaga ggccttctt gcactagtac ttctacctgg atggggcctc 120
agaggtctga ctttccacag gagaagaaaa tctttgagag ccaattttac tgctgggtgc 180
cgatgttttc ctcaactgtc taaataaatc ttcagctaata aaacatttca ataaatctgt 240
tctgggtgct tccattcctt aaactataca gccagagaag atggaacata tgagcttgga 300
ttctgtctct gtagcggatg cagggatata agtgagctga gttttacaca ttccaaaggg 360
gccactgatc aggtacttcg ggatgcactc caagtgtcct ggctaattaa gataaaccaa 420
agattagacg gcatttctgg cnggggtgcag tggctcacgc ctgtaatccc agcactttgg 480
gaggccgagg caggtggatt actaggtc 508

```

```

<210> 1022
<211> 166
<212> DNA
<213> Homo sapiens

```

```

<400> 1022
cggccgagct gacgcaaaca tgcagatctt tgtgaagacc ctcaactggca aaaccatcac 60

```

ccttgaggtc gagccagtg acaccattga gaatgtcaaa gccaaaattc aagacaagga 120
gggtatccca cctgaccagc agcgtctgat atttgccggc aaacag 166

<210> 1023
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 390, 391
<223> n = A,T,C or G

<400> 1023
tttttttttt tttttttgtt gtcccagatt tattgaaaat aatacagcac tacagaaaaa 60
attcaaacag gtcccgagg cgttttgaaa ttcattccaa ctgtaggctg agtgacctga 120
agggttgaca gactgccgaa gtccaaaagc ttcagcattt ccttagtgtc aggatctact 180
tcaataatct cctgatccaa ggctgagacc tcaggaacat aattgtctct cctttctctc 240
tcctcctcct gcagcttgat ggagatacct cttactgggc ctctctgaat tcgcttcac 300
agatgcgtga cataacctgc tatcttggtt cgagagcttt tgctggggat aatggcgatc 360
tcctcgaca cgcgcttggt cgtgtggaan ntggttgccc aggcgcgtgt agtacttttc 420
tatgatgacc cgggcccgcct t 441

<210> 1024
<211> 135
<212> DNA
<213> Homo sapiens

<400> 1024
cctgcccatt gccggcaatg gactttgaga aaacccattt cctggcacc aaagttaaa 60
ttactctttt caaacatac cgatctcccc aacacttgca aaagtattac atgcaccatt 120
ttcccacat tcttt 135

<210> 1025
<211> 340
<212> DNA
<213> Homo sapiens

<400> 1025
gtagaacact aattcataat cactctaatt aattgtaatc tgaataaagt gtaacaattg 60
tgtagccttt ttgtataaaa tagacaaata gaaaatggtc caattagttt cttttttaat 120
atgcttaaaa taagcagggt gatctatttc atgtttttga tcaaaaacta tttgggatat 180
gtatgggtag ggtaaatcag taagagggtt tatttggaa cttgttttgg acagtttacc 240
agttgccttt tatcccaaag ttgttgtaac ctgctgtgat acgatgcttc aagagaaaat 300
gcggttataa aaaatggttc agaattaaac ttttaattca 340

<210> 1026
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1026
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagt ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120

05520300-073101

caagatcctg agtgacatgc gaagccaata tgaggatcatg gccgagcaga accggaagga 180
 tgctgaagcc tggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 1027
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 1027
 ctgtgtagta aagatgcctt ctggtgaatt tgcacgtata tgccgagatc tcagccatat 60
 tggagatgct gttgtaattt cctgtgcaaa agacggagtg aaattttctg caagtggaga 120
 acttggaat ggaaacatta aattgtcaca gacaagtaat gtcgataaag aggaggaagc 180
 tgttaccata gagatgaatg aaccagttca actaactttt gcaactgaggt acctgaactt 240
 ctttacaaaa gccactccac tctcttcaac ggtgacactc agtatgtctg cagatgtacc 300
 ccttggttga gagtataaaa ttgcggatat gggacactta aaatactact tggctcccaa 360
 gatcgaggat gaagaaggat cttaggcatt cttaaaattc aagaaaaataa aactaagctc 420
 tttgagaact gcttctaaga tgccagcata tactgaagtc ttttctgtca ccaaatttgt 480
 acctctaagt acatatgtag atattgtttt ctgtaaata 519

<210> 1028
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 1028
 ctgctaggag cccacctgtg ttcttcctga ggggtggggg caccctagtc actgcctaga 60
 ggcacatggt cccccaccag cctacagcat ggaaacaccc aatgtctgct ctagcctatt 120
 cttaaccac aactgggatg ggagctgggg acaggagaag gggcatggg gccaggagcc 180
 tattcaggct ctacaaccag acttccttag agaggccccg tgccagttag tccaatgg 238

<210> 1029
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 1029
 ccagaatggg ctatgtgtca cagtcctcgg ggacagcagt gcgtttgtgt gtgtgctgta 60
 tgctcgtgtg tgtgctgtgc tcgtgtgtgt gctgtgttca tgcgtgtgct gtgtgtgtg 120
 tgtgtgtagc tgcgggggat cataaagtat gagtgccttt taggatggga attgagatgt 180
 aagatttggg ggtgagggtc gtgccaatta catttcattt gcatggattt tggttttcat 240
 gctctgtcct cccctccttt ggtcttactg ggtccctctg actgctctgt gatttttagt 300
 gatggaaaag ggagttagga gccagtcctgg gttgttgcta ttttcggatg g 351

<210> 1030
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 517
 <223> n = A,T,C or G

<400> 1030

05920300.073401

aaaattgata ataatgctga attatcttaa gtgagatggt aagcccactt tgttctttta 60
 atgtaattgga gcttatgggt agaagaccat gtctactaat tacaaaaaaa aaaaaaaacc 120
 atgcattgct gcttttccta ccacttccag taagaaaatg ggtgttttga agaaatcatt 180
 tgccttgtcc tcacggaatc tgattaagcc ctggcctctt gattgtatag agtcattgtg 240
 tatattccag ttacctagat attcccttga gattttgata caatttgagg gaggcagaag 300
 tctgcagttg aagaaaaaaa ataagtctgt ttgtcatatt taagtagcct gtggctatatt 360
 ttatactgat tttgatatca tgttcttttc atagtcgtat tttgccaccg taaacataaa 420
 aaaaaaaaag atttccaaaa tgccgttttc agaacctggg ttttaatagc agtattgaat 480
 ttgtaagctt agtagttgca gaaattgaac actagnggc actca 525

<210> 1031

<211> 485

<212> DNA

<213> Homo sapiens

<400> 1031

ccttggtgat acacctcggg ctcaaagggt atcagggtgca gctcctcagt cacaatcagg 60
 gaagcatcac aattggctcg gccccattc ccacatctct gctccctcag ggtcaagtgt 120
 ttgaattctg cagagaggct gccgttgttg gattcttcca tgttcatcac ttttgtgttt 180
 gtgccagaa tgttaaattt ccgggatact ctgagagctg caacgtcccc agagtctttg 240
 tcaatgcaca ctttaatttt aagctgataa ttcaactcag ggaatttgac cagcaacctg 300
 acttttagtag tgaactggac gccggtcttg atgacgaggg gccggtcagg atgcatgggc 360
 atgcagggct gccgctccac cacaaggca cttttcatta agtttctaaa cagctccacg 420
 attctctcct ccagcatcgg ccggtgctgt acaatggggg ccccttttga ggaaactttt 480
 tgctg 485

<210> 1032

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1032

ccatacaagg taattttgac aggttcctgg gattaggaca tgggcatctt gggaggccac 60
 tactggccta ccacaactgg gcagcaaac tattacacc tccggtataa tagttttggt 120
 gtttcaatga ctggggggaa aagggttggg attttttgc tttgggtccc tcttaacctt 180
 gtatttttaa ggtctgggac tcaccaaccc tccccctcca accagagaaa ctactgcag 240
 tatctccttg aaagtctggt gacgtgtctg tctaagtgt ggtgagaggc acaggaccaa 300
 ctgagggcct cagcagtag ccctgg 326

<210> 1033

<211> 345

<212> DNA

<213> Homo sapiens

<400> 1033

ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
 gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
 aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
 tccagtgtcg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
 tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
 acccatgcag caaatgctac gcactgtctg agtccgttta gaagc 345

<210> 1034

<211> 345

09920300 "03101

<212> DNA

<213> Homo sapiens

<400> 1034

```
ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
atgattgccg aggccggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggt 240
caccocgttg gtggctagga tgtctttatt ggagatgatc gccttcccgt tgatagtgg 300
catgtccccg ctgcagccca cctccagtggt cgtgccctcc aggggt 345
```

<210> 1035

<211> 348

<212> DNA

<213> Homo sapiens

<400> 1035

```
aaccagcctt cggagcggtc tctgtcctac ttctgacttt acttggtggtg tgaccatggt 60
cattataatc tcaaaggaga aaaaaaaacc ttgtaaaaaa agcaaaaatg acaacagaaa 120
aacaatctta ttccgagcat tccagtaact tttttgtgta tgtacttagc tgtactataa 180
gtagttggtt tgtatgagat ggtaaaaaag gccaaagata aaaggtttct tttttttcc 240
ttttttgtct atgaagttgc tgtttatatt ttttggcctg tttgatgtat gtgtgaaaca 300
atgttgtcca acaataaaca ggaattttat tttgctgagt tgttctag 348
```

<210> 1036

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 485

<223> n = A,T,C or G

<400> 1036

```
ccaacatggt gaaaccccggt ctccactaaa aatacaaaaa ttagccaggc atggtggcgg 60
gcacctgtaa tcccagctac tcaggagggt gaggcacgag aattgcttga acccaggagg 120
cagaggttac agtgagctga gatagcgtca tcgcaactca gcctaggcaa caagagcaac 180
actccatctc aaaaaagaaa gaaagaaatg taacctcaga caaaaccagc ctagcttatt 240
tttataattt catgatctat aacataggaa atatttatgt aaatcacact ggtgaagggt 300
atatgtagca cttaaaaaata tgaggcttga tttggtcagt gttttcagag gttaaaataa 360
taaattccac tgacctgggc acattgtgaa gtaagctata aaaattccaa ataattatct 420
ctaaagcaaa tcctttgtta gttacatggc ttacatatt aattactctg gaaagtttt 480
gaacnctggt tagtagcaga tctcctttct tgatagtttc ttggtactgc cagt 534
```

<210> 1037

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1037

```
aaaacaaact taactttatt tcctcacttt cacttaaaac ttgattttat aaaacacatg 60
aaaaaacatt tttaagagtt ctgtatcaca gaacattaaa cagtacaaat atccattgct 120
tcataggttc aagttacata aattaaagtc aaataattgg aaactgattc aatagggaaa 180
```

09920300 "073101

```

actatacatg aaatgaaggt caaaaggagc tatacagcaa tatttcattg tttatagatt 240
atgagttact ttcaggacct taacaaagat tctgaatatt tagacttcct ttgttgtatt 300
ttatacttaa atatctccct acctatactg agtcaaacta cttgaccaa acatctgatt 360
taggaaagca tctagcttta tagcacaagt ttttccatct acagttacta tcttcaaagg 420
aatatacatc acaatgttga caaaaaaacc tcctgggtcc ttttgaacaa tgtgcaataa 480
attcatgatg ttaactccat ggtaagtcaa atagggtacca aaaaaataaa 530

```

<210> 1038

<211> 235

<212> DNA

<213> Homo sapiens

<400> 1038

```

ctgagagctt catgtccacc agattctgag aggtgtcagc agcacttttt ttttttattt 60
gttgtttgtt ttccatgagg ttatcggacc atgggctgag ctgaggcact ttctgtagga 120
gactgttatt tctgtaaaga tgggttattta accctcctcc accccatcac ggtggccctg 180
agggctgacc cggaggccag tggagctgcc tgggtgccac gggggagggc caagg 235

```

<210> 1039

<211> 440

<212> DNA

<213> Homo sapiens

<400> 1039

```

aaaaaaccca caaatgctg attcagttca aaattaatgc aaatgtttca aaactggggtt 60
tctgatattt gtaaatgtgt ttctttatta gataagagtg tattaccatt aaagtcatta 120
gtataatatt gctttcaaaa agaaatggtg gacaaaacta taatccagca tcttttattg 180
cattggaaag actggcaaag tcttttggat gggttgggag atgtggctgg aaagtacttt 240
ggaaaatata caatcaagat atctcatggc atattaaaag aaaaatctta atagcagtgt 300
tggcttttat ttggattttt tcatctcagt ttttctgtg gaatctcctt cattggcatt 360
gttattttaa cataaacggg gcagatgtct acttgttcag tttttcaaat ctgttttcct 420
gagtataaat aagagtattt 440

```

<210> 1040

<211> 508

<212> DNA

<213> Homo sapiens

<400> 1040

```

ccaagatgaa gaaagtcag catttacagg atgtagaagt gaagaacgcc acacagtgga 60
aggataagat aaagagtcag cgaatgagaa tcagcacgga gttttcaaag ctgcacaact 120
tcctggttga agaagaggac ctgtttcttc agagattgaa caaagaagaa gaagagacga 180
agaagaagct gaatgagaac acgttaaaac tcaatcaaac tatcgcttca ttgaagaagc 240
tcatcttaga ggtgggggag aagagccagg ctcccaccct ggagctgctt cagaatccaa 300
aagaagtgtt gaccaggagt gagatccagg atgtgaacta ttcccttgaa gctgtgaagg 360
tgaagacagt gtgccagata ccattgatga aggaaatgct aaagcgattc caagtggctg 420
taaacctagc tgaagacaca gtcctatcca aactcgtcct ctcccaggaa gggagatatg 480
tgaaaaatac agcatcagcc agttcttg 508

```

<210> 1041

<211> 212

<212> DNA

<213> Homo sapiens

05920300 "03101

<400> 1041

```
ccattctctg caaccatcag cgagcaaccc ccagtacgtt cgagaagtcg atgcagaatc 60
tccagacgaa gatccaggca aagaaggagc aggtggctga ggccagggca gagctgagga 120
gggcgagggc tgagcacaaa gcccaggagg atggcaagtc caggagtgtc ctggagaaga 180
agaggcggct cctggagaag ctgcaggagc ag 212
```

<210> 1042

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1042

```
aaagcctttt tttaggccac attgacagtg gtgggcgggg agaagatagg gaacactcat 60
ccctggtcgt ctatcccagt gtgtgtttta cattcacagc ccagaaccac agatgtgtct 120
gggagagcct ggcaaggcat tcctcatcac catcgtgttt gcaaagggtta aaacaaaaaac 180
aaaaaaccac aaaaataaaa aacaaaaaaa acaaaaaaac caagaaaaaa aaaaagagtc 240
agcccttggc ttctgcttca aaccctcaag aggggaagca actccgtgtg cctgggggttc 300
ccgagggagc tgctggctga cctgggcccc cagagcctgg ctttgggtccc cagcattgca 360
gtatggtgtg gtgtttgtag gctgtggggg ctggctgtgt gg 402
```

<210> 1043

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1043

```
aaaatcaaca attatggttt tcctacacaa aaccccaacc ctcccacca aaaaccctag 60
gtgctacagt tccatggctt gccagtaagt agtgtctatg ttgtcaaggt ctatctttgt 120
tccagtagct tgcttctact gcacttttct 150
```

<210> 1044

<211> 467

<212> DNA

<213> Homo sapiens

<400> 1044

```
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtgcca 60
ggtattaggg ataattttca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaagggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctt tcagctcaac aaacttgcat 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccagttgggg gccagtg 467
```

<210> 1045

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1045

```
ctgccttggg gtcgccctca gcagagatga tggccgcctt tttctgttgc tcagcctttt 60
ccaccacaaa tctggccctc tctgcttctt gctgagccac ctgtttggct tccaccgctt 120
ctgtgaactc cttcccgaag gtcagatgtg tcaaggacac gtcattccagg atgagcccaa 180
```

aggtggcggc tcgctctgta aggtcgtcgc tcacctgcct ggagaccagc tctctctggg 240
 tgattagttc tccagcatca aagcgagcca ccaactgactt gaggatctca gttgtgatgg 300
 acggcagcac acgctcatca tagtcctctc cgatgctggg gaagatgcga ggaagctggc 360
 tggcgacagg ccggaagagg atgcgcagtg tgatgttgac attctgtaaa tctttgctac 420
 cagtgatgac tggcacatta cgtggctcgag aacggcagtc aaagataatt ggtttctgta 480
 cccacgggat gagaaaatga gtcccttccc ctaccacaat gtccctgcact ccacggaatc 540
 ggt 543

<210> 1046
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 1046
 cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
 tcaaacctgc cggggcttct cccgcctttt tccccggcgg cgggagaagt agattgaagc 120
 cagttgatta ggggtgcttag ctgttaacta agtgtttgtg gggttaagtc ccattggctc 180
 agtaagggct tagcttaatt aaagtggctg atttgcttgc agttgatgca gagtgggggt 240
 ttgca 245

<210> 1047
 <211> 471
 <212> DNA
 <213> Homo sapiens

<400> 1047
 ctgaaggaac ggtgcagaat cgaaccacat actggtctgc tcttgctttc agtacagaag 60
 agaagcatgt ccttccaagg aatcagacaa cctgtgaccg tcaactgagct agtagattct 120
 ggtatattga gaccgtccac tgtcaatgaa ctggaatctg gtcagatttc ttatgacgag 180
 gttggtgaga gaattaagga ctctctccag ggttcaagct gcatagcagg catatacaat 240
 gagaccacaa aacagaagct tggcatttat gaggcogtga aaattggctt agtccgacct 300
 ggtactgctc tggagttgct ggaagcccaa gcagctactg gctttatagt ggatcctggt 360
 agcaacttga ggttaccagt ggaggaagcc tacaagagag gtctgggtggg cattgagttc 420
 aaagagaagc tcctgtctgc agaacgagct gtcactgggt ataatgatcc t 471

<210> 1048
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 1048
 ccagcgagca catgaagcgg ttcttcgtga actttgtggt tgggcaggat ccgggctcag 60
 acgtcgccct ccaacttcaat ccgcggtttg acggctggga caaggtgggc ttcaacacgt 120
 tgcagggcgg gaagtggggc agcgaggaga ggaagaggag catgcccttc aaaaagggtg 180
 ccgcctttga gctggtcttc atagtctctg ctgagcacta caaggtgggtg gtaaatggaa 240
 atcccttcta tgagtacggg caccggcttc ccctacagat ggtcaccacac ctgcaagtgg 300
 atggggatct gcaacttcaa tcaatcaact tcatcggagg ccagcccctc cggccccagg 360
 gacccccgat gatgccacct taccctggtc ccggacattg ccatcaacag 410

<210> 1049
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 1049

```

aaaattgcaa tgacttaaata aatgaggttg ttaattagag tcagagcctg ttcacatatt 60
gtgatcaggt agcaatgaca tgtaccactt aaattatatt atcgtcgatt tggtagttcg 120
attttaacta ctcaatgaaa acagccatga atatcttttc ttaaagagag ttttgaaaat 180
gatcacttac ctaaaacttg aaagctatga attagttatc catactctca tgacaatttt 240
gttggtgaac aacaaaaaag agatctattt cttt 274

```

<210> 1050

<211> 511

<212> DNA

<213> Homo sapiens

<400> 1050

```

ccttaggact cgagacattt tatgacctct cccaataggg gcagaggtga gcacccctgg 60
tgaaaagtta agactcagtg agtataaata cgccaagagg agctgtggct tctttcactg 120
gtgtcctctg tctgcactaa gatcccagaa gggaggtctt ccattatatt ccttccgatg 180
ttcacgttca cagcaggga tgcctgaaa gccattatcg ccatggatac agcaggaatg 240
atcctgggat ggaaattttt tgatcatgcg gcacatcttg ggggagctct ttttggaata 300
tggatatgta cttacgttca tgaactgatt tggagaaca gggagccgct agtgaaaatc 360
tggcatgaaa taaggactaa tggcccaaaa aaaggaggtg gctctaagta aaactgggat 420
tggacagtag cgggtgcatct ggtccttgcc gctgagagc cccaggagac atcggctaga 480
gtgaccatgg ctatgctccc gtctggaaga t 511

```

<210> 1051

<211> 264

<212> DNA

<213> Homo sapiens

<400> 1051

```

gtggagcagg agcctctaca cagcctctgg ctcttaggtc ccagtcatgt ttgcaccccc 60
tcaaaggggg aggaccagcc ctccctttca gtgtccatac caggggacct ccatgtgctg 120
atgggtgatg tgactgtggt cagcaggctt gggaagtgtc gctgctgtag cttgagttgg 180
gctgggggtct tggtaggacg ctgatctcag aagtcaccaaa agttcactgt gtaggtctct 240
actgttgtga aggggaatgc ctgg 264

```

<210> 1052

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1052

```

aaactacctc aaaacacttt cccatgagtg tgatccacat tgtaggtgc tgacctagac 60
agagatgaac tgaggtcctt gttttgtttt gttcataata caaaggtgct aattaatagt 120
atttcagata cttgaagaat gttgatggtg ctagaagaat ttgagaagaa atactcctgt 180
attgagttgt atcggtgtgt gtatttttta aaaaatttga tttagcattc atattttcca 240
tcttattccc aattaaaagt atgcagatta tttgcccata tcttcttcag attcagcatt 300
tggtctttgc cagtcctcatt ttcactctt tccatgggtc cacagaagct ttgtttcttg 360
ggcaagcaga aaaattaaat tgtacctatt ttgtatatgt gagatgttt 409

```

<210> 1053

<211> 345

<212> DNA

<213> Homo sapiens

05520300.073104

<400> 1053

```

ccaatgtggt tggctcttcag cttgcagtta gccagggttcc ataccttgac cagcttgtcc 60
cagccacagg agacgatgat aggggttgctg ctggtgggagc agaagcggac acaagacacc 120
cactctgagt ggctctcatc ctggacagtg tatttgaca caccaggggt attccatagc 180
ttgatggttt tatctcgaga tccggagaca atctgccggt tgtcagagga gaaggccaca 240
ctcagcacat ccttggtatg gccacaaaat cgcctcgtgg tggtgcccgt tgtgagatcc 300
cagaggcgca gggttccatc ccaggagcct gagagggcaa actgg 345

```

<210> 1054

<211> 481

<212> DNA

<213> Homo sapiens

<400> 1054

```

aaacctaagc aagaaaatga actttgaact ttcttaattt gggatatctat tatgaatacc 60
ttcacttaag tatttatgaa tttagatatg aaaggtaaaa ctaaccacta tccaaattaa 120
tatacagttc atttccagaa ccctagtttc ttccatgtgc tcaactcgcat tcagtattac 180
aacccccaaa gataaacacc ttactgactg ccttctccat aaatttgccgt gttcttgaac 240
gttatatacg tatacttttt tgtatctggt ttctttcagt gaagattatg tctgtattat 300
ttactcatgt tgggtgtagt tgtttttttc atcgtcgtat aatactccat tgtgtgaatg 360
tataaagtat atcctttatt atttattgta gataagcctt tgggttttca gttttttact 420
aacgggaaca ttcttgtgca tgtcttagta gacttaggca ctcatcgctg ttgtgtgtgc 480
a 481

```

<210> 1055

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1055

```

aatgttttac gtgcacaaaa ccagttagag taacctacac cacatgcact atacagtagt 60
aagcacaaaa ttccacagaa tgaagcatca caaagttctg ctcaggggtg ctattccatc 120
taggtgaaat agctgggatt ttcaattgcc tttttcattt gttt 164

```

<210> 1056

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1056

```

ctgttacttc acagctctga cctcagtttt ctcatctcta actaggtcac cggcacttcc 60
ctcagggttt gtgagagtta aatgaagtca agtgcggaac acccagcaca gg 112

```

<210> 1057

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 366

<223> n = A,T,C or G

<400> 1057

09920300 "073104

```

ctgtgctcct ggatgggttt accacaagtc caattgctat ggttacttca ggaagctgag 60
gaactgggtct gatgccgagc tcgagtgtca gtcttacgga aacggagccc acctggcatc 120
tattctgagt ttaaaggaag ccagcaccat agcagagtac ataagtggct atcagagaag 180
ccagccgata tggattggcc tgcacgaccc acagaagagg cagcagtggc agtggattga 240
tggggccatg tatctgtaca gatcctggtc tggcaagtcc atgggtggga acaagcactg 300
tgctgagatg agctccaata acaacttttt aacttggagc agcaacgaat gcaacaagcg 360
ccaacncttc ctgtgcaagt accgaccata gagcaagaat caagattctg ctaactcctg 420
cacagccccg tcctcttcct ttctgctagc ctggctaaat ctgctcatta tttcagaggg 480
gaaacctagc aaactaagag tga                                     503

```

<210> 1058

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1058

```

ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaatc agttcgtggt tgcattgtgg atgcaaactc gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggccccaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tggtgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
caccacaagt tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggc 474

```

<210> 1059

<211> 321

<212> DNA

<213> Homo sapiens

<400> 1059

```

gctggctagt gtccccaaga tcctgaggga actgggtgcct gagaacctca tacgcctgat 60
gtcctcggag gagtgaaaaa agagcatcct tctagcctat gacaagcata aggacaagac 120
agtggaggag gccaaagggt ccttcctgaa gtggatctgc cgggtggcca ccttcggatc 180
cgccttcttc gaggtgaagc aaacctcgga gccttcctac ccggacgtca tcctcatcgc 240
catcaaccga catgggggtt tgctcatcca cccaagacc aaggacctgc tcaccaccta 300
tcccttcacc aagatctcca g                                     321

```

<210> 1060

<211> 503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 408, 410, 411

<223> n = A,T,C or G

<400> 1060

```

aaatggagtc cacagactaa aggtcatggt ccgagactga agctttcaaa tgaccctagt 60
tccaatatag acactttctt cagtttatca gtagctttta aaagaaattc agaaactaag 120
cggttggaga ggagcattgg aaatagaggg ggatgctatg agatgggggt tgggagcaga 180
gaagaaactg caggagggca aagtgttaact agcaatatac cttctgtgat gctccagaaa 240
cacatgtctg ctaagattaa cttgattgga gtttcttatg aaacaggctg atcatcaaga 300

```

```

tttttaactc aggtttcagt gaaaaaattg gaaactttta caagaaagat ttgagaagta 360
gaaggcaggc agcaaatttt ccagatatta tgcttgcat tcaaattncn ngtttcaggc 420
ttttcaagta ggcatgcaca ttcccaaagc catgatattt ggctaaatac acaaggaccc 480
cagtcgcaca ccgtccatct cgc

```

```

<210> 1061
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 1061
ctgactgtcc tctccagaag gctcttctga gctgagcagg agaccccagg gccacagccg 60
agccccaacc tagacacggt ctgagctcca accttggctg gctatacttc aagggcgggt 120
agggccggca tggggctgga gggagtcagc ccactattgc agattccaca caaagaagga 180
gggggcttgg gtggtagcac tggacatcca tcccatgtgc ctgggagtct tggggttgga 240
gccacagaga aggttacatc ggggtgctgc ggaccttgcc ttcttcctcg ggcacattct 300
cataggcatt ctcatgctca ctggacctga aactggccgc catcgaagag taccttccat 360
ctgttcccac caggactcca tctgccttgt ttccgacggt caggatcatg tgtgcaggct 420
ccggtccta cctgcc

```

```

<210> 1062
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 442, 488, 511, 512
<223> n = A,T,C or G

```

```

<400> 1062
ctgtgtgtcc atcaacacac aaattcgtaa aaaacacaca tggcctcgcc atcgtgggta 60
aaatcgcccc cacagcacgt ctgcaccagc gggccgttac tcccatgccg ttcttctgtg 120
taatattaag aactgaatgt gaagtttata gctagcctgg gtgtaccttt taagaatttt 180
gtaaaccgtt tgtctgtctt ttgttactgt tttatggtgc caagtatcct acgtttacaac 240
aataatatca tgggagaaat agaaatagcc tagtttgctt ccaatagaaa ctgcttttaa 300
catgggctgt atataaaaat attaaagaga aacaaaactg tacatttcct cattgctccg 360
ctacagacaa cccatgtcat aaccttggtg caaatatttt tctcctatag cagtaagtac 420
agcattagaa ggtgattaga gngtctgttg atgaaacaca aatgtatgtt ttattgattt 480
tactttanaa cactacagat ttcttgacc nngtgaaggc attagcttgg gtgtttgtgt 540
ggga

```

```

<210> 1063
<211> 379
<212> DNA
<213> Homo sapiens

```

```

<400> 1063
ctgcagcctg ggactgaccg ggaggctctg attgtttacc caccacagggt aggttgcgtc 60
ctgagtctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttgagggt 120
gttgctggag atggagggtt tgggcagctc cgggtataca tggaaactgtc cggttgcttc 180
ttcattcaca agatctgact ttatgacttg tagggtatag aatcctgtgt cattctgggt 240
gacgttctgg atcagcaggg atgcattggg gtatattgtc tctcgaccac tgtatgcggg 300
ccctggggta gcttggttag ttctattac atatcctaca attagactgt tgccatccac 360

```

09920300.073404

tcttttcgcct ttgtaccag

379

<210> 1064

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1064

ctggtcctgc agacaggtgc tcttgtcctg agtgacaacg gcatctgctg tatcgatgag 60
 ttcgacaaga tgaatgaaag tacaagatcg gtattgcatg aagtcattga acagcagact 120
 ctgtccattg taaaggctgg gatcatctgt cagctcaatg cgcgcacctc tgtcctggca 180
 gcagcaaatc ccattgagtc tcagtggagt cctaaaaaaaa caaccattga aaacatccag 240

<210> 1065

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1065

aaaaaaggca tttggagaaa ctggtagatg tcttcaacat atagttcaaa taaattagtt 60
 gtatgtgtac tactgaatcc tctttcaacc tctcttgcat tccaaataaa atcttagtgc 120
 aaacatcaaa gttgctgggc actccaaaag actgctaaac tcataataga atacaagatc 180
 tgaattactg tgtattaagt aggaaaaccc aagaatacca gttactgcaa aattcattta 240
 ggcacattta atagtccact ctaagcattt tttctaagtc tctcacatta atgactaaag 300
 cctgtttaca gtactaaaat tctatcattc aagcatcaat gattacattt cagaaaaagg 360
 aaattcattt cagtaatagc attactgcta tatcctaaaa aaaggagaga aaataaagaa 420
 tcataattaa caaaaccagt atccataata ggatacacag ggaaaaacat tttaggagaa 480
 aaaaaagtgt gctttacttg ccacagcagg aattatataa tgtaaacacc ata 533

<210> 1066

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1066

ctgatgtttg aaatatctgt ctacatttaa ttagatgtgt tgtatttacc aaggaggcac 60
 aaatatgtag ttctgtagat ttaataacta acttttccag taagaaaaat aataccagggt 120
 gatttcaaaa agggcagtga tctataaaca ctcaaaatgc atctttgaac aggggagcag 180
 aaatagctaa tttaattgaaa acaaacctta agcactttac ttggcttcta ataagcatcc 240
 caagaaaagg tacctgagag ggggttgacaa gtacactgtg tctagaacag ccaagatggt 300
 gccaaagttt tatgctttga atttcctaaa tatatagcta gcagaaacat atgccagaaa 360
 tctactgatg ctaggaaaat atttttgtca gcattttgta aaatctctaa ctttcaacca 420
 atatttctgt tcataaatct tccagtgaat atgtctgaaa tatattacat gtaacaatga 480
 agcaagatta atttta 496

<210> 1067

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 456, 486, 507

09920300-073104

<223> n = A,T,C or G

<400> 1067

```
gcaggtccaa ggatatcaaa ccttaaactc agaacatggc aggtgagtaa aagttgaccc 60
tatttttcaa ataaaagatc agtgttctca aaacttacat atgtagtctt cttaaacagc 120
tccctcctcc ctccaaacaa actaccttgc tgggccagcc tgaacaacat gcacaaagac 180
tttggtctcc ctagaacaag ccattgagcc ttctctctga gataggggca tcaagaataa 240
ggattcacat gtttattcac aactcaggct cctcaagggg ctgggatctc cccaattaga 300
ctcctttgtt tcaactatgcc cacaatctca gaggtgtttg aaattgtctg tactagggaa 360
gaaaggattt tcaaaaatag ccagtcacac agaacagctc tggaccaagc cattacccaa 420
tcccgatggg gaagttgtct cacgtttctc ttaagntgtt acgcagcatt gccatggcag 480
caaaangagg ttaaccatta aggaagnacc tgttcaa 517
```

<210> 1068

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 90, 106

<223> n = A,T,C or G

<400> 1068

```
ctgctggagt cggaactgct gcctttgttt ggcggccttg tttcttaaata cagttccctc 60
ttaggattta ttacactaaa aaaaaattan tttttgaaaa gaaatnggag aa 112
```

<210> 1069

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1069

```
ccttaggaat catacagaga gaacttaaat aaggctgacc cttgggcaga tttgtagccc 60
aggttagtat aagaaaggta gtcaagaaat ctcaagccat gaatttagtt tcaagttttc 120
tggatgagta ggactcctaa gtgcctggca gaagcaaata taaatcctcc ccagaggaag 180
acagcttcat ctttgcccg c agaggatctc cataaataat tgctcaaggg cagccggcag 240
cagtcagtca aagctggagt caatccacca ggtgacaggg catccaagg aaaaactagg 300
agggaaaaaa gcctagtaac agaccctcac acccctcaga gattagttat gagatatgaa 360
ttataaagca agtatgctta ctataggtaa agaaataaaa gataaaccag gaaatatctg 420
caaggaatag gaaactatta aaagtggcat agcaaatttt atgaggaaca aaactgaatt 480
gtaagaaatg aaaacacagt aattgaacaa ttt 513
```

<210> 1070

<211> 74

<212> DNA

<213> Homo sapiens

<400> 1070

```
cctgtacttt ataggcatta cttcattttt ccttatgaag ggtactatac caacacagac 60
tttatagtat gttt 74
```

<210> 1071

<211> 509

05920300-073104

<212> DNA
<213> Homo sapiens

<400> 1071

```
ccttcttatt tagattcctt ttgatgtcct tccattttca gatatacagt tgcttttttc 60
ctctgggttt tgggaagggc acctctcaca tgacgatctt atggcctgct tctggggaaa 120
aggatgggga aatgtcagag agtccttgca tatatcatct ctcaaaactc ttaatcttaa 180
atattcagta tgtcaagggtg ccatattttg gggtagcatg tcctgagctc catcaacatt 240
aatgtaaaaa tathtagcct aatgcctggc acatatcaag agcttaagaa atgctgactc 300
taaaattatg acatctagga agatgtgggg cagaattgta aacttacctg ctaaattacc 360
tatgagctgc ccaccattcg ttaattatgg caataataat gggtttatca tgctgtatcc 420
tcactcttgc aagcagtgtt ccttgtgctt agcagtaaat gttgcctaata ttggggcatg 480
ctggtgtgtc tgcagactgt tcttgtatg 509
```

<210> 1072

<211> 563

<212> DNA

<213> Homo sapiens

<400> 1072

```
ctgtcactcg aagaatacca ttcacatcta tctcaaaggt gacttcaatc tgtgggaccc 60
cacgaggagc aggaggaatt ccagtcagat caaatgtacc cagaagatga ttgtcttttg 120
tcaggggtct ttcaccttca tagaccttga ttgtaacagt tggttgatta tcagaagctg 180
tagaaaagat ctgagacttc ttggtaggca ccaactgtgtt ccttggaatc agttttggta 240
tgacacctcc cacagtttca ataccaagtg taagggggaca tacatcaagc agtaccagggt 300
cacctgtatc ttgatcacca gagagcacac cagcctggac agcagcacca tacgctacag 360
cttcatctgg gtttatgccg cgggatgggt ccttgccatt gaagaactct ttaaccagtt 420
gctgaatctt tggaattcga gtcgagccac caacaagaac aatttcatca atatcagact 480
tcttcaaata agaactctcc aacactttct ggacgggctt catagtagac cggaacagat 540
ccatgttgag ctcttcaaat ttg 563
```

<210> 1073

<211> 410

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 321

<223> n = A,T,C or G

<400> 1073

```
caaaacccca ctctgcatca actgaacgca aatcagccac ttttaattaag ctaagccctt 60
actagaccaa tgggacttaa acccacaac acttagttaa cagctaagca ccctaataca 120
ctggcttcaa tctacttctc ccgccgccgg gaaaaaaggc gggagaagcc ccggcagggt 180
tgaagctgct tcttcgaatt tgcaattcaa tatgaaaatc acctcggagc tggtaaaaag 240
aggttttgta caagcttttt tttttttttt ttggaaaaaa aaatgggtag 300
tgtatatatt gcaggtttta nacaactcag gacaataaaa acaatggact ttacatgtgt 360
atatatatag ctctcttagg caccataatc agtatgagcc aacaatattt 410
```

<210> 1074

<211> 499

<212> DNA

<213> Homo sapiens

09920300-073401

<400> 1074

```

gtggaagcag gtgtgagagg gtccagcaga aggaaacatg gctgccaaag tgtttgagtc 60
cattggcaag tttggcctgg ccttagctgt tgcaggaggc gtggtgaact ctgccttata 120
taatgtggat gctgggcaca gagctgtcat ctttgaccga ttccgtggag tgcaggacat 180
tgtggtaggg gaagggactc attttctcat cccgtgggta cagaaaccaa ttatctttga 240
ctgccgttct cgaccacgta atgtgccagt catcactggg agcaaagatt tacagaatgt 300
caacatcaca ctgcgcatcc tcttccggcc tgtcgccagc cagcttcctc gcatcttcac 360
cagcatcgga gaggactatg atgagcgtgt gctgccgtcc atcacaactg agatcctcaa 420
gtcagtggtg gctcgctttg atgctggaga actaatcacc cagagagagc tggctctccag 480
gcaggtgagc gacgacctt                                     499

```

<210> 1075

<211> 448

<212> DNA

<213> Homo sapiens

<400> 1075

```

ccagtttga gaacgcgctg acatactgct cggccacagt cagtgaagct gctgcatctc 60
cattatgttg tgtcagagct gcagccagga ttcgaatagc ttcagcttta gccttggcct 120
tcgccagaac tgcactggcc tctcctgctg cctgatttat ctgttcagcc ttttctgctt 180
cggaggccag gatctgggccc tgtttcttcc cttctgccac attgatggcc gactctcggg 240
tccccctaga ctctagaact gtggcccgtt tccgcgcgtc tgcctccacc tgcactcgca 300
tagactcttt cccccggggt ggcacatgga tatccttgat ctcataacgg aggcagcgga 360
taccocagca gtcagcagct tggttgatgg catccacaat gctggcattc agggactccc 420
gttccccgaa gactttgtcc agagagag                                     448

```

<210> 1076

<211> 217

<212> DNA

<213> Homo sapiens

<400> 1076

```

ctgtggattt caaaacacag tgtattctag atcatctaag atccatgctg atttttattg 60
cacaagaatt aggtttgaac tcttgagctg gaacctcagc aaactagagt atatatgtt 120
cagtatttct ttggaaacat ttcattaatg tacttgtctt acagaaattt ctgaacttta 180
gtaaaaaaaa taaagttaaa cttttaaaac tcaaaaa                                     217

```

<210> 1077

<211> 254

<212> DNA

<213> Homo sapiens

<400> 1077

```

ctgcctattt ccacatcttt caatccatct ggctccttaa ataggggaaa aagcccttat 60
ttggtggaga agcatttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
aactgttaaa atagggcctt ttgtgttttg ttatttcacc ttaatatcac cagaattcct 180
gtaattccac aattgtgatt ttactatgta gaagataatt cagttctagt ctattgcttt 240
agatgtaaaa acag                                     254

```

<210> 1078

<211> 354

<212> DNA

<213> Homo sapiens

09920300 "073101"

<400> 1078

```

ctgtccctgg atagtgccac ctttgccctct ccccaggatt ttgggcttgt tttgcaaaca 60
ctcaaagagt acaacctagc cctgaaaaga ctgagcttcc atgacatgaa tctcgctgac 120
tgtcagagcg aggtgctctt tttgctacag aatctgactc tgcaagagat taccttctcc 180
ttctgccgtc tgtttgagaa gcgcccagcc caatttctgc ctgagatggg tgctgctatg 240
aagggcaact ccacactgaa gggcctccgg ctgccaggga accgcctggg gaatgctggc 300
ctgctggcct tggcagatgt tttctcagag gattcatcct cctctctctg tcag 354

```

<210> 1079

<211> 563

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 472

<223> n = A,T,C or G

<400> 1079

```

gcacagagct gtcattcttg accgattccg tggagtgcag gacattgtgg taggggaagg 60
gactcatttt ctcatcccggt gggtagagaa accaattatc tttgactgcc gttctcgacc 120
acgtaatgtg ccagtcattca ctggtagcaa agatttacag aatgtcaaca tcacactgcg 180
catcctcttc cggcctgtcg ccagccagct tcctcgcatc ttcaccagca tcggagagga 240
ctatgatgag cgtgtgctgc cgtccatcac aactgagatc ctcaagtcag tgggtggctcg 300
ctttgatgct ggagaactaa tcacccagag agagctgggt tccaggcagg tgagcgacga 360
ccttacagag cgagccgcca cctttgggct catcctggat gacgtgtcct tgacacatct 420
gaccttcggg aaggagttca cagaagcggg ggaagccaaa cagggtggctc ancaggaagc 480
agagagggcc agatttgtgg tggaaaaggc tgagcaacag aaaaaggcgg ccatcatctc 540
tgctgagggc gactccaagg cag 563

```

<210> 1080

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 482

<223> n = A,T,C or G

<400> 1080

```

aaaacttggg gaagctgggt gggcgcggtg gctcacgcct gtaatcccag cactttgaga 60
gaccgaggcg ggcggtacac gaggtcagga gatcgagacc atcctggcta acacggtgaa 120
accccatctc tactaaaaat acaaaaaatt agctgggcgt ggtggcaggc gcctgtgggtc 180
ccagctactc gggaggctga ggcaggagaa tagtgtgaac ccgggaggcg gagcttgagc 240
tgagccaaga tagtgccact gcacttcagc ctgggtgaca gagtgagacc ctgtctcaaa 300
aaaaaaaaaa aaaatcctgg agaagccaga acaatatata aacaagtatg tggaggcaga 360
tttgctttat tccaagaggc tgtttgagtg tgtgtctgcc taagcctcct tatagcctat 420
ttttctactt gctgagagag taatatataa ggaacagtga gggagtggaa ggagagcctt 480
anttagagcg ttcccatctc tggcct 506

```

<210> 1081

<211> 462

09920300 "073401"

<212> DNA
<213> Homo sapiens

<400> 1081

```
aaatttaaga tagtttgtaa gaactgtaca aaaaaatgct tctggagatt tctttggcag 60
aatgccttt catctataat ttcattggaga actgctttaa ttagcctagg tgaaaagtag 120
tcctagcagt gtaaataatgt ataattagag ttttctaatt tcaactgtgag atctctaact 180
tttgagtggc aaacagatca agtcttttgc tcatagactt ttctgtgggg ttattaaaat 240
gcaaaagctt tatttttttt aataatgcca tactccatta gtgtcagatg atgggatgga 300
atttgttccc ttgctttccc ccaactgttac tgcctcagtt tatagattgc cagcagagtt 360
cagaaataga gcagggatgt acccgttctt tgcttggaca tcccattttc tttgtccag 420
acccatgttg gcaatcatgt atgaactgtg ttatacttct ca 462
```

<210> 1082
<211> 279
<212> DNA
<213> Homo sapiens

<400> 1082

```
aaataaccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
ttcaactgtc caatttaaga cagagtgaag acatttttga gtatctgaac taagcattgt 120
cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcattgcctt 180
tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
acttaggatg agttacgaat tctttcagga atgctgcag 279
```

<210> 1083
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1083

```
gtggaaagtc caacagatgc cccactcaca agatagggcc ctccaatcag tcttctggct 60
ccctttcact catagtaact gggtgtctctt cctattgggtc atagataaat gacacctgca 120
caattctccg agtgctttca agcaacttcg ggaggcagtg actaagaccc tttccttgcc 180
cccagcttcc tatgtccag ggctgctgt ggcacctgga ctgctgtgc cctgggtcc 240
cgtacattcc agggcaaca tggaggaagg gcaggcaacg catgaggaat taacagtctt 300
tattgggctc agaccaggag tccgtggg 328
```

<210> 1084
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 415
<223> n = A,T,C or G

<400> 1084

```
tttttttttt ttttttccat tcctaggggg aatgggcccc aaggttttgt ttttttattt 60
cgtttttggg gtacagggtgg tgtttggtta catggatgag ttcttttagtg atttctgcga 120
ctttagcgca cccatcaccg gagcagtgt cactgtaccc aatatgtagt ctttcatccc 180
tcaccccaact ccaagattta gttctgccag acgatacatg ttgccttcac ttcttttttag 240
tttatttgcc tggacccatc taagtcatac ttaaaactct ataaagcatt ttttttcttt 300
```

09520300-073104

gaaatggtct cagctccttc ttgatcctct ccattttcca cccaatctcc tctatccctc 360
 tccctttact gcctgaaatc ggctgtagat gtagcagttt ctggaggaaa tgaanatttg 420
 tgggtggttct ttccagtcac caggttgtga aagtctta 458

<210> 1085
 <211> 581
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 550
 <223> n = A,T,C or G

<400> 1085
 ctgcaaggat tcagcaccag ttatgtttga atgaaccctc cttttctctg agattctggt 60
 ccctggaaat ccctttctgc tagtggtgag catgtaagt ttaagttttt aatctgggag 120
 cagggcatag gaagaaaatg tcagtagtgc taatgcattt tgcaactagaa cgcttcggga 180
 aaatattcat gcttgccatc tgttcatttc taaatttata ttcataaagt tacagtttga 240
 tacaggaatt attaggagta attcttttct gtttctgttt ataatgaaga aactgttagc 300
 tacattttca gaagttaaca tcaagccatc aaacctgggt atagtgcaga aaacgtggca 360
 cacactgacc acacattagg ctgtgtcacc attgtgtggt gtacctgctg gaagaattct 420
 agcatgctac ttggggacat aatttcagtg ggaaatatgc cactgaccga ttttttttct 480
 ctctttgcag tggggctagg acagttgatt caacaaagta ttttttctt ttttctcagt 540
 cctaatttgn acaggtcaaa gatgtgttca ggcattccag g 581

<210> 1086
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1086
 aaaaacacac ctcaccaagc tcagccacca gcttaaaaag gactggacaa tactttttacc 60
 actttccctt ctcagaaatc aggcctgtcc tcagaatgtt acaaggtaca gcccatittaa 120
 gctcttt 127

<210> 1087
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 1087
 aaaggttaat ttgtagaaca aatgttttta ctatactttt tttctactct atactcccca 60
 gttacaatat ttacaaaggg ctgaagtcta tataaaaaaa tgatctttgg ctgggcatgg 120
 tggctcatgc ctgtaatccc agcacttttg gaggtcgagg caggcggatc acgagggttag 180
 gagtttgaga ccagcctgac caacatgaag aaacctgtc tctactaaaa atacaaaatt 240
 agccaggcat ggaggcaggc gcctgtaatc ccaactactc gggaggctga ggcaggagaa 300
 tgccttgaaac ccgggaggcg gaggttgcgg tgagttgaga ttgtgccatt gcactccagc 360
 ctgggtgaca aagcgagtct caaaaaaaa aaacatctt ttactttccc ccatccctca 420
 ttttagtcaa actttctcca cctcatttct gcc 453

<210> 1088
 <211> 321
 <212> DNA

09920300.073101

<213> Homo sapiens

<400> 1088

```
ccagcggctg gtaaggagcc agggcctcca ggtaggagaa gtctgggtcc gtgaatatga 60
cggatttgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcggg 120
gggaagggtg cccggtgaac accacacagg gctgtctaaa gtcgttgctg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300
aaaactccag tgaactgttg g 321
```

<210> 1089

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1089

```
cctgtggtgt aggggactga attttttttt taacttctat tccattttta ttgtaggata 60
tctttgtcca tatacccagg tgtcctgatt tgaatgtact atttgatcct cattgtgttc 120
aggcaaaaaa taggaaatga gtaattttga gtttgaaatc tctcccagaa gacaaactac 180
ttcagtgagt aaaagctttg acattttatg ttttattcat aaagggggtt aattatttgc 240
taciaagaag cacgatctat ttcatcatc gatttgaaaa tatctgtaac tctatagat 300
cctataggca gagagttttc ctttctgact ttttcccttt gctttcgtgt gaccacatgt 360
tttctgtacc agtcactggg gaaagaagtg agtttatctc gtttgtttt 409
```

<210> 1090

<211> 281

<212> DNA

<213> Homo sapiens

<400> 1090

```
aaactcaaga ctggctccag gagagaggag gacggacact aggttgaggg gccaggccac 60
actcactctg gaccacctgt tgttccggg tcaagttccc agggtcacac cagcctgcct 120
ctgcaggaca agaggaccaa gctgcccttg agtggacact gtgaggctgg ggctcgtgg 180
agctcttcac atggacaaa cgggaaaatc aggaaagctg gtagtgctg gagcttcact 240
cccagccagg gcagcacctc tggcctctaa ggagaaaggc c 281
```

<210> 1091

<211> 479

<212> DNA

<213> Homo sapiens

<400> 1091

```
agggcctcct gcattccggt tctctggcgg gaagggtcta gtgttcatcc ctctcaggct 60
ttggcctcct cccactctcc cgccctgggg cccattcggt taggaagaat gggagagccg 120
gtcgtggccc ctgggcgggg taaaggaggg aggcttggt aacctctgct ggggaggacc 180
cagtacagtg gcagctcctt gtcggggaaa gaacggatct ggggaaagaa cggatctgcg 240
tcacacgctc ttacagggga accctaaggg gcctgagggg tagggcttgg tctccacca 300
gagggaaagg gaaatttttc gtagtctaaa gaaatgtatc agaagccatg gaacatttac 360
agcgcacac gctgggtctc ccaacaaaca gatcccaaaa atattttcca gtgctgtact 420
cgtggcatag acccagaccc acagaccagg aggaagcgct ggagatgtca acagccaac 479
```

<210> 1092

<211> 520

<212> DNA

T07E20"00E02650

<213> Homo sapiens

<220>

<221> misc_feature

<222> 490, 510, 519

<223> n = A,T,C or G

<400> 1092

```
aaagcataca tgagatagta tctttcattt agtcctaagc ttgattatth atgctcattg 60
taatatttca gtgacattct ggacataaat ttcaagtata tcaccatata cttattgtta 120
aatatcaaac aaagctactg actgtgaggg aaaaatttca gtgatttttt ttgtttgttt 180
ttttgttact taccctgaga tactcatccc acagtatatc tgagatttag ctgaacattt 240
acaaatttta acaaattttt tttctttcca ttgcatgcat cgatatgcca aattctgcac 300
ttcaatccag gtaaaataat gatagtgttt gtaaaccaga tagtgaaaac cagtgtgttt 360
tctaatactg cccatgatag acagagtga atcacagcat aaacagtagc caggaacctt 420
tactgcaaac atttggcttc aagtatcttg caacaaatag ctactaatat gaccatacac 480
ggtacatagn acaccacagt cctggattgn agcatgccng 520
```

<210> 1093

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 429

<223> n = A,T,C or G

<400> 1093

```
ctgatctacg agtctgccat cacctgtgag tacctggatg aagcatatccc agggaagaag 60
ctggttgccg atgacccta tgagaaagct tgccagaaga tgatcttaga gttgttttct 120
aaggtgccat ccttggtagg aagctttatt agaagccaaa ataaagaaga ctatgatggc 180
ctaaaagaag aatttcgtaa agaatttacc aagctagagg aggttctgac taataagaag 240
acgaccttct ttggtggcaa ttctatctct atgattgatt acctcatctg gccctggttt 300
gaacggctgg aagcaatgaa gttaaataag tgtgtagacc aactccaaa actgaaactg 360
tggtatggcag ccatgaagga agatcccaca gtctcagccc tgcttactag tgagaaagac 420
tggaaggnnt tc 432
```

<210> 1094

<211> 104

<212> DNA

<213> Homo sapiens

<400> 1094

```
aaaagaaacg atcaatacta aatatttagca gctaaaacat cattgattct tgtggcttta 60
gaactttcac acactgagag ctccataaga ggaaaaaagc aaag 104
```

<210> 1095

<211> 419

<212> DNA

<213> Homo sapiens

<400> 1095

```
atgaggtcaa gtgatcgaga ccataccttgc caacatgggtg aaaccccgtc tctacaaaaa 60
```

05920300-073104

tacaaaaaat tagccaggcg tgacgggtgcg tgccctgtagt cccaactact cggaaggctg 120
 aggcaggaga attgcttgaa cccgggagggc agagggttgca gtgagccgag atcgaccac 180
 tgcactccag cttggcaata gaggtagact ccattctcaa aaacaaaaca aaacaacaac 240
 aaaataaact actgtggcag cgttggtacc ctgcatcact gccatgggtg tgctattctc 300
 atctcaacat agaattgggtg ggttctccta aggggtgtcag gaacctctaa aaagatgtga 360
 ttctttggga ggggatattt gaaattccaa ctccattcc ccctagcaaa aggaagcag 419

<210> 1096
 <211> 112
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 47, 48, 63, 68, 79, 83, 102, 104, 106, 107
 <223> n = A,T,C or G

<400> 1096
 tttttttttt tttttttttt tttttttttt tttttttttt ttttttnncc ctccctccaa 60
 gtntttnttt tttttttgng ttnttaaaaa aaaaacaaaa ancncnncca aa 112

<210> 1097
 <211> 202
 <212> DNA
 <213> Homo sapiens

<400> 1097
 ccagggtctg gaagggccct gggagcgccc accccctctg gatgagtcg agagagatgg 60
 aggctctgag gaccaagtgg aagaccagc actaagtgag cctggggagg aacctcagcg 120
 cccttcccc tctgagcctg gcacataggc acccagcctg catctcccag gaggaagtgg 180
 aggggacatc gctgttcccc ag 202

<210> 1098
 <211> 491
 <212> DNA
 <213> Homo sapiens

<400> 1098
 aaaaagtcag tatcatctct cttgtggagc taccagaaca ggtttttcaa acagaaaagg 60
 ggaacaaacg tggggaacaa acgtggggcg cttggctatg ttaagaattc ttatcactag 120
 aatactgctt cgagacgttc atagtacttt ccaaaagaag ccaccacact caaagagccc 180
 tgcgcagccc cagtgaccca tgagtgtggc agccgtcatt ttattagcca ctgttggcaa 240
 tcatcaaagt attcactcag agtggggaaa ttacttaata tcaacgatat taacgatttc 300
 catgtattta gctttgtgac acacaatgca caagggtctt caaatgtttg ttttttacac 360
 cagtggtaga aaattgtcat tcttcggatt caacacactg gtggatgaca ctttagtgaa 420
 gtgtgactac ctagaagagc aggaaggcag ctctgattc tgactggggc agcctcttcc 480
 agaaggtgac t 491

<210> 1099
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 1099

```

ttccagcctg cgacctgcgg agaaaaaaaa ttacttattt tcttgcccca tacatacctt 60
gaggcgagca aaaaaattaa attttaacca tgagggaaat cgtgcacatc caggctggtc 120
agtgtggcaa ccagatcggg gccaaagttct gggaggtgat cagtgatgaa catggcatcg 180
acccaccggy cacctaccac ggggacagcg acctgcag 218

```

```

<210> 1100
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<400> 1100
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtccctc gggcatccat tttttctaaa ggaactggac agagtacaca caggaaagga 180
agctgtcacc ctcttgcca 199

```

```

<210> 1101
<211> 222
<212> DNA
<213> Homo sapiens

```

```

<400> 1101
cctcgggtggg tcttgcgggg cagcttcttg gtgtgccaac gactgggtgac ccctttgtag 60
cctttgccct tggtcacccc gatgacgtcg atcatctcat cctgccc aaa cacttggttc 120
acaggtaacct gctgctcaag cctctcgcgg gccagtgcca gcttctcggc cacagtgcct 180
ccgttcacct ggatctccat caggtggggc ttcttctggc gc 222

```

```

<210> 1102
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 16, 27, 113, 162, 197
<223> n = A,T,C or G

```

```

<400> 1102
aaaatgtcaa agtatngcta tacatanttg cacttttctg ctaggctggg ctagtatctt 60
ccatggcaag atcctcaaac tactgaataa aatacacttt taaatcaata tangtacttg 120
attaatttcc ctgaaattat caacatcatt accaaaatct tncaggattt tgtaagattt 180
gattccttaa atacagntcc taaagttaaa cttatggagg gaaaaaaacc ctcat 235

```

```

<210> 1103
<211> 321
<212> DNA
<213> Homo sapiens

```

```

<400> 1103
ccagcggtcg gtaaggagcc agggcttcca ggtaggagaa gtctgggtcc gtgaatatga 60
cggtattgag actagatttt cccagagct ccatgaagtg gaccacgtcc ccgaagcgga 120
gggaagggtg cccggtgaac accacacagg gctgtctaaa gtcgttactg aagtctccgt 180
ggatgctggg gtagtgcttc agcttattgg tctgaatgag ctctgcatga ggaaaagggtg 240
gttctggaag atacacctta ctctgtttgt tgtgacaaag ccactcagca aagatctggg 300

```

05920300.073104

321

<400>	1104					
ctgagttaca	agagaaaatg	atcacatgca	tcagaggctt	ggagaaagct	aaagtgattc	60
agccaggcta	cgggtgttcag	tatgattact	tagatccccg	tcagatcacc	ccttccctgg	120
agactcattt	ggttcaacga	ctcttctttg	ctggacagat	caatggcacc	actggttatg	180
aggaagctgc	agctcaaggt	gtgatagccg	gaatcaacgc	cagtcttcgg	gtcagtcgca	240
agcctccctt	tgtggttagc	cgaacagaag	gttacatagg	agtcttgatt	gatgacctca	300
ctactctggg	caccagtga	ccataccgca	tgtttaccag	ccgagtagag	ttccgtttgt	360
cactgcgccc	tgataatgct	gacagccggc	tcacactgcg	aggggtataaa	gacgctggct	420
gtgtgtccca	acaacgatat	gaaayagctt	gttggatgaa	gtcttcttta	gaagaaggca	480
tttctgtgtt	gaa					493

```
<220>  
<221> misc_feature  
<222> 156, 189  
<223> n = A,T,C or G
```

<400>	1105						
ctgggtgaagg	aactcaagga	ggcttttaggt	attccagccg	ctgcctcttt	caaacatgtc	60	
agcccagcag	gtgtgccttg	ttggaattcc	actcagtgaa	gatgaggcca	aagtctgcat	120	
ggtttatgat	ctctataaaa	ccctcacacc	catctnagcg	gcatatgcaa	caccaagagg	180	
gqctatgat	atgt					194	

```
<210> 1106
<211> 337
<212> DNA
<213> Homo sapiens
```

<400>	1106						
ctgcacggac	caggttcccg	caaaacattg	ccagctagtg	aggcataatt	tgctcaaagt	60	
atagaaacag	cccacctgtg	ccacttttga	ccattgggtga	ggatagatat	aaaatcactt	120	
cttccaacga	agcctaggtg	aaaatctatt	tataaatgga	ccacaactct	gggggtgtcg	180	
ttttgtgctg	tgacttccta	attattgcta	aagaactact	gtttagtgtg	taatggtgta	240	
aaattacatt	cagctccttc	ttgtcatata	aaaggaattt	ggagggtgtc	gcttaaaatt	300	
ttattccacc	tgtacatttg	tcactttacc	tcggccg			337	

```
<210> 1107
<211> 342
<212> DNA
<213> Homo sapiens
```

<400> 1107
ccatatggta gagatgaggg aaggatggac tagaagcaag ctgggtcttc tgggtcgtct 60


```

ctactccttt ttcacttcat caccgttttc cccactgagc ttgaacacag gaatctgctg 120
accatccttg agctctaaaa agacctcgtc aagggtgccac ctctgaaagg ggccacctct 180
ggatgagtgg acgtagagaa ggccctctga tttggatcca gagacaggaa tcttcaactt 240
ggcatcaaca atgtccacga agttttccct gtcgatgagc ttgagataat ggatgttgag 300
aggaggggccc agagcttctt gtgcctcggg atggctctgc ag 342

```

```

<210> 1108
<211> 549
<212> DNA
<213> Homo sapiens

```

```

<400> 1108
aaattgcaaa ttaaagcatg tatttacata tttatataca aaaaacttca aaaacaaatt 60
aatccaaatc ttggtccaag agtttccact ttataagtgg tatggtacta tgctatatat 120
atcctcttcc aaaagtctct taggacttgg taagtccaa atattcattc acaaatgggt 180
ccccctttaa cttaatgaac catatacttc atttctgagt aaattagagg aaatattaca 240
gaacacgctt tgtacaatac agcaccacta ctgagaaggg ctcgagggtt tgtaatccaa 300
ggttctgact taaagcaaaa atacacggca tagattgcaa cagcaaagaa gtgtccaatt 360
aaaactagag ggtaggaga caatacagaa agcagcccaa caggacccgc aacacattcg 420
ccaccaagtt tgaaataaag aaaacaggct tttcttagtt gatgcaggga atcatctgtg 480
gcagaaaata attcataaag agcctgagca aggatattca cgacaaagga atgagatgtt 540
tttcttgcc 549

```

```

<210> 1109
<211> 250
<212> DNA
<213> Homo sapiens

```

```

<400> 1109
ccaaactatt ttgaattttg ttgtccggcc ctccagtgcc tgccctctcc cttaccagga 60
ccacagctct gttccttcgg cctctgggtcc tctctgggtcc cctcctgggt tctttacgta 120
gttgattttt cctcttttagt ctcccccgac ctgcgcccag ccccggtggc cctgcccctc 180
tcctactctc tgtggcagtt tcataattgc taagacgaat ttgctcatta aacattttgt 240
tgtattttac 250

```

```

<210> 1110
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<400> 1110
aatcagtag tctaacaagg attagaaaag aaaaaactct gttcagtgtt tctgacaaag 60
tagaaagggt gaaaacataa ataaggcttt aatttggcaa aatataatac aatgcctttt 120
ttatcctcaa atgaacagtt tcccaattac ttcactctaa cacctggtag tgctctttct 180
cctttgtgag ctgttggttt accgcctgaa gcaactgctg taactgtgtt acagtctgat 240
ttagacttac agacattgtc tccttctcag aagactccgt ttctggggaa acatcactat 300
tttcaataac agtagtgtct ccagcagctt ttactatttt tgactggata agctccagtg 360
actgttgagc cttatgcaaa tcaccagcta ccttctgtct ttcattttgt tcagttctaa 420
gttttgtgag tgtttcattt aactgtgcct tcaactctct gacttctgta acataggtag 480
atcgttccat ctctgccttt tctagttcca tttccaaatg ttctcgttct cttctcagat 540
tttc 544

```

```

<210> 1111
<211> 402

```

<211> 367

<212> DNA
<213> Homo sapiens

<400> 1115
ccagttgggc agctctttcc acgatggctt tgcggttctt ggaggaaaca ttgtgagcaa 60
tctcggcaca gtaagatttg ttgcacatca gcagcacttc cagctccttg acgttggtga 120
ccaggaactt ccggaagcca ctgggcagca tgtgctttgt ttttttggtg cttccataac 180
caatgttggg catcaagatc tggcccttga atcttctacg aaccctgttg tcaatgcctc 240
tgggtttccg ccagttacgc ttaattttga catatcgggc tgactgggtc cggtatgaact 300
tcttggttct ctttttgacg atcttgggct tcacaagggg tctgagggcg gccatgatgc 360
cgagaag 367

<210> 1116
<211> 387
<212> DNA
<213> Homo sapiens

<400> 1116
ccataaagga ggtaaaaatg aaaaccataa cctaactttt atagaggctt tatctttaat 60
ttaacgatgt gcggaggact ttcttgcttg aatctgttcc gggctgtctg ctctgtccat 120
caaattgggca ggtctggaat ggggcacctt cggccgttca gaagtggcct gaacagaatg 180
ctggaaccca ggctggactc ggacacacta aggttttgat ttgtaatttc agccttatta 240
gaagatctaa cctaagagta agctaaccac agggattctt ttgtagaaca ctttttatgc 300
agatgaagct attttttcca gcaagtagat tcttccagtt tttccaagga gtaatttccc 360
cgaattggca taccacggcg tggacag 387

<210> 1117
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1117
cctttgtccg gcaacctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
aactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggtaag agcggggtgc acggtaccca gccttgcctt cattcccagg 180
acaggaacag gagagcagtg cacctcccag gatgactagg gcagaccctg cccagccaat 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg 316

<210> 1118
<211> 448
<212> DNA
<213> Homo sapiens

<400> 1118
ctggcaaaga taatgcttct gctgggctga aacccatctg aaagagaaaa aagttagctt 60
tacctgagga aaggttatac acagacaagg atggaaggta tcccacttaa gatgaatcag 120
aaggtctaata tccaagatag cggattccaa aatctttttt ttctgagcca aaaaagaaaa 180
aaaaaactaa caaaatcttt ttttgagacc ccaggtaaaa gaataaaaga ataggaataa 240
ttttttttta agtaacctac aaagagcaag ataggagatc tgcaaataag attttgagta 300
catagcaggg gccagtagtc accctttcac aatttcattc ttggagtcc ttaacttctg 360
gaccagaga tcattgaaaa cagtgtaaagc atgatgatgc acatcttgag aaaaatcttc 420
agaggtaaat ccaaacattg ggattttt 448

09920300 073101

<210> 1119
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 447
 <223> n = A,T,C or G

<400> 1119
 cggccgaggt aaaaaaagct gaggggtgatt agacaagttg acaagttggt ttgaaagagg 60
 taactggcct agtacaaaaa tccatagttt attgggttgg gctgttgagg agttgtagtg 120
 ctggtgaaat aaaattttcc aggatgcagt ggtcatcgca atttggccca attcaaagg 180
 tcaaggtaag ctctgtatt gtttttttt tggagctttt aatttttttt caagttgcag 240
 gtcattgtagg gagtcctttt tagaatggct tctccctcc atttttagagc tctgaaccaa 300
 agtgatgtca tttattttat tttattttat tattttttta gatggagtct cactctgtca 360
 cctaggctgg agtgcagtgg tgcagtctcg gctcactgca acctatgtct cccgggtcca 420
 agcgattctc ctgcctcagc ctctantag ctgggattac aggtgcacac cac 473

<210> 1120
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 1120
 cttggtggtg aaggttctgg agaagtcaga ccagaccaac atcctgagtg ccctacttgt 60
 tttgtccaa gacagcctgc tagcaacagc cagttctccc aaattctcag agcttggtat 120
 gaagtgtctc tggagaatgg ttcgactggt gctgatacc atcaatagca ttaacctaga 180
 cagaattctt ctggatatcc acattttcat gaaggtcttc cccaaagaga aactgaagca 240
 atgcaaaagt gaatttccca taaggaccct aaagaccctg ctacacacct tatgcaaatt 300
 aaaagggccc aagatcctgg accacctaac gatgatcgac aacaaaaacg agtctgagct 360
 ggaggcccat ctctgccgga tgatgaagca cagtatggac cagactggga gcaagtctga 420
 taaggaaaca gaaaaggagg catctcgaat agatgaaaaa tcatcaaagg ccaaagtga 480
 tgatttctt 489

<210> 1121
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1121
 catcaatgta gaactcagcc ttcttgaaa gaaaaaaaag aggctccggg ttgacaaatg 60
 gtggggtaac agaaaggaac tggctaccgt tcggactatt tgtagtcatg tacagaacat 120
 gatcaagggt gttacactgg gcttccgtta caagatgagg tctgtgtatg ctacttccc 180
 catcaacggt gttatccagg agaatgggtc tcttggtgaa atccgaaatt tcttgggtga 240
 aaaatacatc cgcagggttc ggatgagacc aggtgttgct tggtcagtat ctcaagcca 300
 gaaagatgaa ttaatccttg aaggaaatga cattgagctt gtttcaaatt cagcggcttt 360
 gattcagcaa gccacaacag ttaaaaaaaa ggatatcagg aaatttttgg gtggtatcta 420
 tgtctctgaa aaaggaactg ttcagcaggc tgatgaataa gatctaagag ttacctggct 480
 acagaaagaa gatgccagat gacacttaag acctacttgt gatattt 527

<210> 1122
 <211> 474

<212> DNA

<213> Homo sapiens

<400> 1122

```

aaataaggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
agtaatcaca aataaggtaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcaat tgaagctggg agaaagagga aaaaaagtggt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatfff catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgagtt tgtccctcca gagacctttc tgggaacatg ctttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc attt 474

```

<210> 1123

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1123

```

tgcaaggcat gggggtgtct gctgcccagg ccacttacag tggcctggag agccagtcag 60
tgagtggctg ttacggggcc ggctacagtg ggcagaacag catgggtggc tatgactagt 120
tttgtagga acatttgagt tacttcaatc attttcacag gcagccaaca agcaattaag 180
agcagttata atagaggaag ctgggggacc cattttgcac catgagtttg tgaaaaatct 240
ggattaaaaa attacctctt cagtgttttc tcatgcaaaa ttttcttcta gcatgtgata 300
atgagtaaac taaaactatt ttcagctttt ctcaattaac attttggtag tatacttcag 360
agtgatgtta tctaagttta agtagtttaa gtatgttaaa tgtggatctt ttacaccaca 420
tcacagtga cactactggg agacgtgctt ttttgaaaa ctcaaagggtg ctag 474

```

<210> 1124

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1124

```

ctgatcgctt ctcagcgctg cgactggaac tttccctctc attactggaa gaaacagtct 60
tagttttcac aggtttttct gtttcttctt caggctctcc ggcggctcca gctcgctgag 120
acttttcagg cttctcgtct cccgccttcc cgtccgccat tttccactcc ctg 173

```

<210> 1125

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1125

```

cgaagccaag agaaactgag gaaactttcc aaaccagtat atctcagatc tcatgatgaa 60
gtttccta atagaggaaa gtttatttct gcaaatgatg agccaactag ttattgaatg 120
taaaccagat ggcaaaacac ttcttgatta ggggcaaaaa ttcaaagtc ttcttaaac 180
ctccacaatt gattctcccc ctgtgatgta aacttagata tccctagagt ttctcagcat 240
ctttcttcct gagtggatgg cattatccct agaggatcat gaccttacat cctcactgca 300
gtcacctttg gaaacaagac cgagg 325

```

<210> 1126

<211> 268

<212> DNA

05520300.073101

<213> Homo sapiens

<220>

<221> misc_feature

<222> 266

<223> n = A,T,C or G

<400> 1126

```
cctgagcgac cacctccctg ttcaggccca gcctctggag ttcattccta tcaatgtcat 60
tttgattgtg cagtaagatg aaaatttgtc attacaatag ttacagtgc agagaaatgc 120
acactatgta tcaaatagca aggaaatgaa gcaaattata acacagtgtg gcaacgcacg 180
agcaagtaac cattagagta gcattacttt gtccagtaaa tgcttcagtt ccaccacttg 240
tacacttacc aatgatttac ctcggnccg 268
```

<210> 1127

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1127

```
aaatttacag ttctgctcat gcccaatggc cccatgcgga taaccagtgg tcccttcgag 60
cctgacctct acaagtctga gatggagggtc caggatgcag agctaaaggc cctcctccag 120
agttctgcaa gtcgaaaaac ccagaaaaag aaaaaaaga agg 163
```

<210> 1128

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 361, 437, 479

<223> n = A,T,C or G

<400> 1128

```
ccaaagacaa tgttcctttc catagcttag tctttccttg ctcagcccta ggagctgagg 60
ataactatac cttggtcagc cacctcattg ctacagagta cctgaactat gaggatggga 120
aattctctaa gagccgcggt gtgggagtggt ttggggacat ggcctaggac acggggatcc 180
ctgctgacat ctggcgcttc tatctgctgt acattcggcc tgagggccag gacagtgtct 240
tctcctggac ggacctgctg ctgaagaata attctgagct gcttaacaac ctgggcaact 300
tcatcaacag agctgggatg tttgtgtcta agttcttttg gggctatgtg cctgagatgg 360
ngctcacccc tgatgatcag cgctgctgg cccatgtcac cctggagctc cagcactatc 420
accagctact tgagaanggg tcggatccgg gatgccttgc gcagtatcct caccatatnt 480
cg 482
```

<210> 1129

<211> 313

<212> DNA

<213> Homo sapiens

<400> 1129

```
agcgatttgc tgggtgtagac atccgtgtcc gtgtaaaggg tgggtggtcac gtggcccaga 60
tttatgtctat ccgtcagtc atctccaaag ccctgggtggc ctattaccag aaatatgtgg 120
atgaggcttc caagaaggag atcaaagaca tctcatcca gtatgaccgg accctgctgg 180
```

09920300.073104

tagctgaccc tcgtcgtcgc gagtccaaaa agtttggagg ccctgggtgcc cgcgctcgtc 240
accagaaatc ctaccgataa gcccatcgtg actcaaaact cacttgtata ataaacagtt 300
tttgagggat ttt 313

<210> 1130
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 516
<223> n = A,T,C or G

<400> 1130
ccaaaagaaa ttagcaatgg gaaatggttg ctttatttgg tgaaagtaga atccaaagga 60
ttggaaaagg taacttgtga gccacaaaag gagataaact ccctgaacct aacggagtct 120
cacaactcaa gaaagaaacg ggaaattact gaaaaacaga tagatgataa cagaaaattt 180
tctttatttg ctgaaagaaa ataccagact cttaactgta gcgtgaacgt gaactgtgtg 240
aacatcagat gcccgctgcg ggggctggac agcaaggcgt ctcttatttt gcgctcgagg 300
ttatggaaca gcacatttct agaggaatat tccaaactga actacttgga cattctcatg 360
cgagccttca ttgatgtgac tgctgctgcc gaaaatatca ggctgccaaa tgcaggcact 420
caggttcgag tgactgtgtt tccctcaaag actgtagctc agtattcggg agtaccttgg 480
tggatcatcc tagtggtctat tctcgtcggg atcttnatgc ttgctttatt agtggtttata 540
ctatggaagt gtg 553

<210> 1131
<211> 158
<212> DNA
<213> Homo sapiens

<400> 1131
ccgccgcttg tgctgcagcc atgtctctag tgatccctga aaagttccag catattttgc 60
gagtactcaa caccaacatc gatgggcggc ggaaaatagc ctttgccatc actgccatta 120
aggggtgtggg ccgaagatat gctcatgtgg tggttgagg 158

<210> 1132
<211> 379
<212> DNA
<213> Homo sapiens

<400> 1132
ccagaatggt ctggatctcc tgacctcgtg atctgcccgc ctcggcctcc caaagtgtctg 60
ggattaccgg tgtgagccac cgcacccagc ctaaagttgg tttcttgaag cagttgatga 120
gattgggata ctggttttca gaaatgattg gagtgattta tgtaagttgg gaggggtttt 180
ttgatggggt tggttaaggtc ttacgttaaa ggaaaggat acagagataa atattggtac 240
ttgagtcatt agctttcaaa gaagcctggg gtaatggagg aaaggtaaga attgattctg 300
acagaatctt gagatgggca gaattaacat ctggaagagg tcacagtgtc ctgatttacc 360
ttacctgtgt ccaggatgg 379

<210> 1133
<211> 252
<212> DNA
<213> Homo sapiens

09920300 "073401

<220>
 <221> misc_feature
 <222> 205, 248
 <223> n = A,T,C or G

<400> 1133
 ctgaccaggc ttggagaatg agaaagggtt cccaaggaca ggatgccagc gggattcttt 60
 gttgcaaact gcacacagtg caatTTTTtg gaagcaggga tggggagtgg gcatgagacc 120
 gggttgttgg gaccactctg gggtcaggcc ctgggtgagg cacaggaggc tgcacacagg 180
 cacttgggtg gttctgccgg gtcanggtgg gaaggcagga gtagtgtctg tggcaggacg 240
 ggaagaanct tc 252

<210> 1134
 <211> 533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1134
 ccagcccaaa cagtgtatta atcattagca aatggaactt taaggagtcc ttatcattaa 60
 ggtagtacia gtatttatat tgtaaaactg atgtgtagct tgatcttttag gggacaggac 120
 caccaaccaaa tacatgcaga ttttgtgtgt gtggacagaa ggtacttttg acattcagtt 180
 ttgctatata gaaacagaat gaataaatga actTTTTtct ttttctttt ttttgcaaga 240
 ggtaagtaaa agattcaatt tgattcttct agagggggga aaaaggagt gaaagtaggt 300
 cttcattttg cagtcatcat ctgtacgaat tcttcatagt tgacttgctc gtctccatca 360
 atatctgctt ctctgatcat ttcactact tcttcatctg ntagtttttc tctaagttt 420
 gtcattgacgt gacgtagttc tgctgcactg atataaccat tgccatcctt gtcaaagact 480
 cggaaatgcct cacggatttc ttcttcaacta tctggatctt tcatttttct agc 533

<210> 1135
 <211> 101
 <212> DNA
 <213> Homo sapiens

<400> 1135
 ctggctaatt cagtcatgca aactctgctc tcacagttaa aacagttcta tgagccaaaa 60
 cctgatctgc tgcctcctct gaaattagaa gcttgatttc t 101

<210> 1136
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 1136
 gtgagggtccc agcttgaaga gaaagaaaac aagaagttcc ctgtgtttta ggccgtgtca 60
 ttcaagagcc aggtggctgc ggggacaaaac tacttcatca aggtgcacgt cggcgacgag 120
 gacttcgtac acctgcgagt gttccaatct ctccctcatg aaaacaagcc cttgacctta 180
 tctaactacc agaccaacaa agccaagcat gatgagctga cctatttctg atcctgactt 240
 tggacaaggc ccttcagcca gaagactgac aaagtcaccc tccgtctacc agagcgtgca 300

05920300 "073101

<400> 1139						
tttttttttaa	atattttattc	cagttatttct	aattcagaag	cattcttttc	aagtaacagc	60
agcacttgtg	aaaggaaaaa	aatgcacat	gtttcttagt	aggttactaa	atttgtacaa	120
ttaattaaga	ttttagccat	cagtgaagttt	gaaaagggaa	atgtatttat	tttcagcatt	180
aaaaatgcttc	caaaaagatca	agttgctttt	gtttgtttgt	ttttttaacc	gtaatgtaga	240
tggagaaaatt	ggaggcaacc	tcagtatagg	aactgccact	ttgaacagtt	taggtcttaa	300
agagaaaagtc	aatctaattgc	caaggggaga	acaatgagct	gaaattgtac	caactcctct	360
ggccctcctt	ccctcaatta	aaaaaacaca	cttaccagtt	ttgcttattt	tacagatatc	420
tngtggttct	atagttttaa	gcagcttgtg	aaattaaaaa	agtggactca	attttgttta	480

cctttctgta agtttttcat ttttgctgta tagcattingc aaaaatatgt aca 533

<210> 1140
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 79, 80
<223> n = A,T,C or G

<400> 1140
cctttctact caggctaattg acaaacacaa taaaggcaga tatgctagtt taacataatt 60
ggctgatttt atacagcann ttatatcttt tagtccacaa gtatattatt aaatgataga 120
gaacatctaa tacaaccatt tctacagaac taggaaataa atttctaaga aagaaagatt 180
ttacagaccc catcttttat acccaccoca acagtctaac tctaaagagg ataaagccaa 240
tgactttcct cacaagagct cagactaac gtcgctttgc tatcaaaatc tgtatttctg 300
atccgttatg agcattgaga caagattcaa atattccc 338

<210> 1141
<211> 88
<212> DNA
<213> Homo sapiens

<400> 1141
ctcagcctgg tgaaccacac aggccagcgc tctgacatgc agaaggtgac cctgggcctg 60
cttgtgttcc tggcaggctt tcctgtcc 88

<210> 1142
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 80, 165
<223> n = A,T,C or G

<400> 1142
tttttttttt ttttttaggat cttaaaaaac catttaataa aaaaaatctt tgaagggaca 60
aatgggaagt ttccacttan agtttgattt acaagacaat aggaggaatc agatttgga 120
acacaacagg cttgaacact ttctggagac tgagagacag ttcanagtca gccctcaccg 180
ttaaccagac ccctgg 196

<210> 1143
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420, 439, 465
<223> n = A,T,C or G

00920300 073401

<400> 1143

```

aaaaaatggg atcaaaggaa gaggaaaatg ggcaagggtca tctcaaaagg aaacgacctg 60
tcaaagacag gctaggggaa agaccagaaa tgaactataa aggtcgatac gagatcacag 120
cggaagattc tcaagagaaa gtggctgatg aaatttcatt caggttacag gaaccaaaga 180
aagacctgat agcccagta gtgaggatta ttggtaacaa aaaggcaatt gaacttctga 240
tggaaaccgc tgaagttgaa caaaatggtg gtctctttat aatgaatggg agtcgaagaa 300
gaacaccagg tggagttttt ctgaatctct tgaaaaacac tcctagtatc agcgagggaac 360
aaattaagga catcttctac attgaaaacc aaaaggaata tgaaaataaa aaagctgctn 420
ggaagaggag aacacaagng ttggggaaaa agatgaaaca agctnttaaa agtctaaatt 480
tt 482

```

<210> 1144

<211> 249

<212> DNA

<213> Homo sapiens

<400> 1144

```

ctgctgcaga gcagccagca gggagtcctt gcctcactcg gaggtccctg agcccaatcc 60
cacaccctgc agagttctcc cctctctctg atccaggccg ggctgtaca gaggtgctgg 120
ctgcttgttt acattctcct ctggggctct acctctccac acttccccag aaggggaaaag 180
ggcaccctgg attactcttt ggaaatcact ccttggtggg cagcatcctg aggcttcccc 240
agaaccagg 249

```

<210> 1145

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1145

```

cctggaaaac attctccaaa aagaagctgc aacatgtgtg gacaatgggc ttttcatgcc 60
tctcttactg tctcttactg tctattgatc tgggtgcaaga aacatgctct ggtgatggct 120
gtgaggaggg aatgaggata gacatagaca ctctgtgtgc tcaaacatgc ttctttatta 180
ctctgttatg actctgtctt ccctggggca ggaccccagc ctgcctacat ttgcagacag 240
acacagtggc atgtggagac aacagtgtgt cccaaagact tttctttacc ccctagctgt 300
cggcagtact cagtgggaagg gtgatattat gacactgaca ctgc 344

```

<210> 1146

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1146

```

cctgtggatt ggcattccaaa tacagagtct tacgcagcgg ggacgtgggt gcgcgccccg 60
catgccacgg aaagcttaca taagtttaac ttgaacagag cttgggaaat ggggctgcaa 120
aggagggcag ttcccacgcc aggaaccaac gtgaaagcat tggaaatcagc acaacagcca 180
tggaaatcagg caggcagggg aggacgggct gtgtccttct gagctctata gtacagcaag 240
atttcaagca gtttccagaa aaacaacaac aacgacattt tctttcctta tcgacgggat 300
atcttatggg tctggaagct tcgtgttgca cataggaaaa aaaatttctc tgaaacgtac 360
aattcatagg gac 373

```

<210> 1147

<211> 432

<212> DNA

09520300"03E20560

<213> Homo sapiens

<400> 1147

```
ctgcaggagc aggatcagaa gcaagcctat gaaaaacaac agaagcatgc agcgactttc 60
ttttatagca ccgcagcatc ccaggaagcc cagaatcatg atgatggcac ctacagcaat 120
caatatgtcc acagcaacgt aggagctaga gcctacatct tcagaaccaa aaattgcttg 180
agagtcattg cttactcgta cccatattgc taatgctagg atcaagatac cacatagcca 240
gaacaagaag ttgaaggtaa acatagaata ttttatacag gcaactcacac ctgccatttc 300
ggaaaaggat taggaatcca gatgccgtga atttaactat tcgttacagg cttgtcctgc 360
aatatgctct ggagcaactt gcctgcagag atttctgtat ccacggcttc agagcagaaa 420
gagaaagcaa ag 432
```

<210> 1148

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1148

```
ccacactcat ccatcagggtg ctggaggccc ctggtgtcta cgtgtttgga gaactgctgg 60
acatgccccaa tgttagagag ctggctgaga gtgactttgc ctctaccttc cggctgctca 120
cagtgtttgc ttatgggaca tacgctgact acttagctga agcccgaat cttcctccac 180
taacagaggc tcagaagaat aagcttcgac acctctcagt tgtcaccttg gctgctaaag 240
taaagtgtat cccatatgca gtgttgctgg aggctcttgc cctgcgtaat gtgcggcag 299
```

<210> 1149

<211> 543

<212> DNA

<213> Homo sapiens

<400> 1149

```
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatagat gttgaacttg 120
ttgctgaggg caacagcagg ttcaattaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcacctttg gacatcgggtg gtgctgacca ggaattcttt gtggacattg 300
gccagctctg tttcaataaa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt 420
cttctgcaca tctacttgct taaattgtgg gcaaaagaga aaaagaagga ttgatcagag 480
cattgtgcaa tacagtttca ttaactcctt cccccgctcc cccaaaaatt tgaatttttt 540
ttt 543
```

<210> 1150

<211> 311

<212> DNA

<213> Homo sapiens

<400> 1150

```
ctgaagatga tgaggatgac gatgtcgata ccaagaagca gaagaccgac gaggatgact 60
agacagcaaaa aaaggaaaaa gtaaaactaaa aaaaaaaaaa gccgcgctga cctattcacc 120
ctccacttcc cgtctcagaa tctaaacgtg gtcaccttgc agtagagagg cccgcccgcc 180
cacgctgggc agtgccaccc gcagatgaca cgcgctctcc accacccaac ccaaaccatg 240
agaatttgca acagggggagg aaaaaagaac caaaacttcc aaggccctgc tttttttctt 300
aaaagtactt t 311
```

0990300-073104

<210> 1151
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 1151
 tttttttttt tttttttttt tttttttttt ttttttccaa gaattgggaa ggttt 55

<210> 1152
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 1152
 ccagtacaac acctatccca tcaagctctt ctatacgtcc aacatcccca tcatcctgca 60
 gtctgccctg gtgtccaacc tttatgtcat ctcccaaagt ctctcagctc gcttcagtg 120
 caacttgctg gtcagcctgc tgggcacctg gtcggacacg tcttctgggg gccagcacg 180
 tgcttatcca gttggtggcc ttgtctatta cctgtccctt ccagaatctt ttggtccgt 240
 gttagaagac ccggtccatg cagttgtata catagtgttc atgctgggct cctgtgcatt 300
 cttctccaaa acgtggattg aggtctcag ttcctctgcc aaagatgttg caaagcag 358

<210> 1153
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1153
 aaacttgatc caacctcttt gcattcttaca aagttaaaca gctaaaagaa gtaaaataag 60
 aaggcaatgc ttgtggaatg tacagtgcac attggcggcg cagcctcat tacgattcgc 120
 ctgcttgctt ctctgttca atcgtttctt tgggaaggcag tggatttttc tcttgctct 180
 ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
 acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctgggtctgcg 300
 cagtggcca 309

<210> 1154
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1154
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
 agtcccatga aattaattat tttctctgct tgatcttggg ggacagtttc atgaagctgt 120
 cagttagttc attaaagttt tggaaattct cagacagtgc agtggatatca gaaacttgta 180
 ttcaagagta caggtcagag tcttcttttc ttttcttttt gagatggagt cttgctctgt 240
 tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
 aagcgattct cctgcctcag cctcctgagc ag 332

<210> 1155
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 1155
 aaaaaaaaaa cgccaaaaaa ctggacttag ttcatctat tgtaacattt acctgagatg 60

```

atcattttctt tagtctagaa tttgccccaa atcagaagta tacctctgaa ttatctgtat 120
gtgtcctgga ttcccttggg tcagattttt cctctggtt ccaaggcatt tttttttctt 180
taatgcagta aaaccattcc tttaaaaccc aaaatctctc atggaacccc tacgtatcaa 240
atatataaag caggagctgc ccttggttcag ggataaatatg tggggcttat ggctctaaga 300
aacacagttt gacattcact gctctcctta cttcagttac ctcatggtat agataaatgg 360
gctggggcca gagagggggc atgacctgtc ctgggacacg cagccactga agcctttagt 420
ccagtgtctc ttccacagca ccacactgga ttctggagtc tttccagcca gggcagagga 480
agctgcaaca gtgccacgat aagagtttct ggggtcttctg gtacctaccc tctca 535

```

<210> 1156

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 45, 346

<223> n = A,T,C or G

<400> 1156

```

tttttttttt ttttttttta caaagtaaac tatgattttt attgngaagt tttcatagat 60
ggaaaattga atattctgtc catttcattt tacaattatc ttaccactta tttttgtacc 120
atgtatttca attgcctgtt tagtgaaaaa taaaaattaa aaaaacctat tcatttttgg 180
cttggtgtta gcttaaattt tatcattaaa ttaaggagcc cacaacaaaa tgtgttgcca 240
gcagccatat cccaagcccc tgcgtgaaga atgttttggc tgctatttca acctaaaggaa 300
acaacgtttg acctcagtca ccttaaaatg ccagtgtggg cagaanattt tttattcctc 360
acaattaaaa accaaacaaa aaccacctagg atcttgaagg tcctatttca gaaaatcttc 420
atatatgcaa aatgtcacca aaataaatac atttgcttca attatcatta ccaccagta 480
ttcatgtttt aatttttagg gatataattt ctaaattt 518

```

<210> 1157

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1157

```

ccagagttga ctctaggtag tgatgtgatt ttcttgggat gtttttctaa atattctttt 60
atgctaaagc acatggcttg atacttctgt tgattaagct cgtgtctact tacagtcac 120
tagtgagaac ctgtgggtgtg gtgagatgat aacttggctt ttggtcttca tcatttgaac 180
tagttttggt tttgtcttgt cccttccttg agcattttgt gtgtgtttaa tcctatttgg 240
taaacgaacc actgtgaaag accaagttgg agaaaacaga acacccocaa aacatttatt 300
tttttttttag aaaatcatgg ctcaactatg tagtatacaa tattgttttc acacatgtac 360
acttgaaacc aaatttctaa aacttgtttt tcttaaaaaa tagttgttgt aacattaaac 420
cataacctaa tcagtgtgtt cactatgctt ccacactagc cagtcttctc acatttcttc 480
tggtttcaag tctcaagg 498

```

<210> 1158

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1158

```

gatgaatgcg gctgttaaga cctgcaataa tccagaatgg ctactctgat ctatgttgat 60
aaggaaaatg gagaaccagg caccctgtgt gttgctaagg atgggctgaa gctggggtct 120

```

05920300-073104

ggaccttcaa tcaaagcctt agatgggaga tctcaagttt caacaccacg ttttggcaaa 180
 acgtttcgatg ccccaccagc cttacctaaa gctactagaa aggctttggg aactgtcaac 240
 agagctacag aaaagtctgt aaagaccaag ggaccctca aacaaaaaca gccaaagcttt 300
 tctgcaaaaa agatgactga gaagactgtt aaagcaaaaa gctctgttcc tgcctcagat 360
 gatgcctatc cagaaataga aaaattcttt cccttcaatc ctctagactt tgagagtttt 420
 gacctgcctg aagagcacca gattgcgcac c 451

<210> 1159
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 1159
 cctcttgggt gcattgggat ccttgaactt cttttttgtc tcccctttgg gagggatata 60
 ggttttcatt tctctttcat aacgggcctt gtccgctttt gccatatctt caaattttcc 120
 tttctcttta gcagacatgg tcttccacct ctctgagcac ttcttagaaa actctgagaa 180
 gttgactgaa gcatctgggt gcttcttctt atgctcctcc cgacaagttt gcacaaaaaa 240
 tgcatatgat gacattttgc ctctcggtt cttaggatct cctttgcccc tgtttagtta 300
 tttttcctca gcgaggcaca gagtcgcccc gtgcccgtcc ggctctcact tgccccggcg 360
 ctgtctctat ggagc 375

<210> 1160
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1160
 ctgagcctgc actcataaat atgatactgt cctgcttctc ccttgctaata ataggcaata 60
 aagagctttc tgaaggggaa gaaatattat tattaactg atttaataa ttactataat 120
 tgcagtttca ataattagtt ttgtaaaatg caactggat agcagttttt gaagttttct 180
 aattttttcc ttctgttcac ttgggttctg ttaggtttgc cttttcacca ttgtctgagg 240
 aagaggagga ggatgaacaa aaggagccta tgctgaaaaga aagctttgaa ggaatgaaaa 300
 tgagaagtac caaacaagaa cccaatggaa atagtaaagt taacaaagca cagg 354

<210> 1161
 <211> 88
 <212> DNA
 <213> Homo sapiens

<400> 1161
 aaacagttgg aacaccggtg gcaactgttaa ctgctttctg ggcagcctct ttagcttggt 60
 gggcttgtag tacagctaca gcttcac 88

<210> 1162
 <211> 74
 <212> DNA
 <213> Homo sapiens

<400> 1162
 cctcagccat gaagggtcca acagttctct tcagtgggt gggcaaaaat tacaagggga 60
 attggatgca ttgg 74

<210> 1163
 <211> 86

09920300-073101

<212> DNA
<213> Homo sapiens

<400> 1163
aaatacatcg tgacctgtgt aattatgcag aagaatggag ctggattaca cacagcaagt 60
tcttgcttct gggacagctc tactga 86

<210> 1164
<211> 132
<212> DNA
<213> Homo sapiens

<400> 1164
aaagaggatt ctcataagga aagcaatgac tggtcttgcg ggggataaaa aagggtcttg 60
gagattcatg cgatgtgtcc aatcggagac aaaagcagtt tctctccaac tccctctggg 120
aaggtgacct gg 132

<210> 1165
<211> 434
<212> DNA
<213> Homo sapiens

<400> 1165
ccgggcaggt ctgtatcacc acagttaata gatgtctgat gtgtcccagt cacagagata 60
atacaaatgt gaggaataa tgctggtgcc tgaaagcatt ggagaccatt tgtaagaatg 120
ccatttggtgta gttaaagtga acatgaaaat tggttagttt ttcttggttt cataaacatt 180
ttttcttcct gtagaactga taaatttcaa acggaagaga gtggcagcat ttagaaagaa 240
tctaattgaa atgtctgaac tggaaataaa acatgccagg aacaatgtct cccttttgca 300
gagctgtatt gacttgttca agaataactg atatgccttc actcagaaga aaagaaatga 360
atgtgaaaga aagccaagca tcacttgcac ttaaatcatt accacggaag atatattagc 420
ttcaacttta gttt 434

<210> 1166
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1166
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttggtgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tattttcc 398

<210> 1167
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508

05920300-03101

<223> n = A,T,C or G

<400> 1167

```

aaacactgct ggtgctttat gaaaggattt ctgtttacct gttgcacacg taacatgttc 60
ttacgaagtt ttctcgctgt gtagaaaatg cttaaaatgt ctacatcatt ttcattacac 120
ccccttaagc atgtttttcc ttcacaaggt gcagtccatt gacagtgttc cgtattgcac 180
gtgcaattta actttattag cactatttgt agcaaacacg agcctagtga attacagatc 240
tgtgtgggcc agagggtatt tgccacgtaa taatgaagct tgacaggggc attctcataa 300
actgtctggc tacatatata tttttgcatt taatgcctat tcaatatatt ctgaagggtgc 360
tactcttggg gttatcaaga gttcataggg gttaggggga agtaagagct tgtaaatgta 420
tttgggaagc acacctatgt tcacagacac aaaatggaat tgcatggtca ccccttagt 480
cttggtttgt tggctttttg tattgaanaa agggttaaat aaaaacaaaa ataa 534

```

<210> 1168

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1168

```

ctgcaataat ccagaatggc tactctgac tatgttgata aggaaaatgg agaaccaggc 60
acccgtgtgg ttgctaagga tgggctgaag ctggggctctg gaccttcaat caaagcctta 120
gatgggagat ctcaagtttc aacaccacgt tttggcaaaa cgctcgatgc cccaccagcc 180
ttacctaaag ctactagaaa ggctttggga actgtcaaca gagctacaga aaagtctgta 240
aagaccaagg gacccctcaa acaaaaacag ccaagctttt ctgccaaaaa gatgactgag 300
aagactgtta aagcaaaaag ctctgttcct gcctcagatg atgcctatcc agaaatagaa 360
aaattctttc ccttcaatcc tctagacttt gagagttttg acctgcctga agagcaccag 420
attgcgacc tccccttgag tggagtgcct ctcatgatcc ttgacgagga gagagagctt 480
gaaaagctgt ttcag 495

```

<210> 1169

<211> 475

<212> DNA

<213> Homo sapiens

<400> 1169

```

ccagaactcc tcaactggga ttatttggtg ccagtgaag aggctttgat cccaaggaca 60
caagacatca gagaaagaac aaatcaaagg ctatttctgg atgttgagat tatctgattt 120
caaggctactg aaggacaaaa acttggtatg cctcaaaagg ttcttgaaca ccaactgtgat 180
tctccaagga cgaattacgt aaattatact ttcatacaaa ggagacgata aggcagttaa 240
catggagaca cgggggacag cgtccacact cagagggcct gggccacagc cccgatgttt 300
cttttcagaa ctacagccct ttcctgattt tacttctaag aggaaaatta ttttggggag 360
gaactacaca gtcgtgatta gaatttatct gatggttttg tattataact tgtaagacct 420
gccagaatgc tagtcccag agtgtcagac aaggaagaag tccctgggcc tcttc 475

```

<210> 1170

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1170

```

ccaggtttct gccacattg gaccacatg aggacatgat ggagcgcacc tgccccctgg 60
tggacagtcc tgggagaacc tcaggcttcc ttggcatcac agggcagagc cgggaagcga 120
tgaatttggg gactctgtgg ggccttggtt cccttgtgtg tgtgtgttga tccaagaca 180
atgaaagttt gcactgtatg ctggacggca ttcttgctta tcaataaacc tgtttgtttt 240

```

09920300 "073104

<210> 1171
 <211> 59
 <212> DNA
 <213> Homo sapiens

<400> 1171
 ccaacatggt gaaaccccggt ctctactaag aatacaaaaa attagctggg tgtggtggt 59

<210> 1172
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1172
 ccaagtaagc tgtgggacag caagcccttc ggtaacctgt tggtacaca gacccctccc 60
 ctctgtgtag ctgaggcagc tcgaggcccc cgaccaacac ttgcaggggt ccctgctagt 120
 tagcgcccca ccgcggtgga gttcgtaccg ctcccttaga acttctacag aagccaagct 180
 ccctggagcc ctgttggcag ctctagcttt gcagtcgtgt aattggccca agtcattgtt 240
 tttctcgct cactttccac caagtgtcta gagtcattgt agcctcgtgt catctccggg 300
 gtgg 304

<210> 1173
 <211> 236
 <212> DNA
 <213> Homo sapiens

<400> 1173
 ctgtgacggc ttggagaaac agtgtaaact ggcagtgtaa acaaaagcag ggcatgtatg 60
 agtagttgag aatggtgaat aggagtatga ctgacagaa gatagtaggg atgacaagtt 120
 atttgggggc acagtctaag tttgtctggt gtctggaatg aggctggggc ctaataaaaa 180
 ggaacgtcta tacaggagct caaatgggct gtaccttgta gcattctgag gacagg 236

<210> 1174
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1174
 cagggtccaca tatgcccctg tcatctctgc tgagaaagcc taccacgaac agcttactgt 60
 agcagagatc accaatgctt gctttgagcc agccaaccag atggtgaaat gtgaccctcg 120
 ccatggtaaa tacatggctt gctgcctgtt ataccgtggt gacgtgggtc ccaaagatgt 180
 caatgctgcc attgccacca tcaaaaccaa gcgtaccatc cagtttgtgg attggtgccc 240
 cactggcttc aaggttggca tcaactacca gcctcccact gtggtgcctg gtggagacct 300
 gg 302

<210> 1175
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 1175
 cgcaaaacta accccctaataaaaatt aaccactcat tcatcgacct cccaccccca 60

009620300-00000000

tccaacatct ccgcatgatg aaacttcggc tcactccttg gcgcctgcct gatcctccaa 120
atcaccacag gactattcct agccatgcac tact 154

<210> 1176
<211> 435
<212> DNA
<213> Homo sapiens

<400> 1176
aaaagcaaca tgtttttata agaaaattgt tataaatgaa aaacgtgact tcttgaagac 60
agttttgaat gtctaaaaat gttgttatca ctactgagag gaaacttgcc tatgaaaaat 120
attataatga gtttgtggaa aaaagttaac aggttaaata ttttaagcca ttttaactata 180
gcataatatt agtcatctga gcactttcag tatcactcct attttattaa atttatccaa 240
tttattaata gaaactaggc cctgattggc agttctgtta ttactaatgg ttcaagtttt 300
ctattttacac agattttaag atttaatttc tcgaacaaca gtctcttgat taggagtttc 360
gtctttcttca aagggtgggt tgtcaacatg aggaataaca tccactgcca cagaatttgc 420
ttcatgggtt accag 435

<210> 1177
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1177
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgcggtta tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggc ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgccac 267

<210> 1178
<211> 236
<212> DNA
<213> Homo sapiens

<400> 1178
aaaagtagta ttaataaagg cttcaaaact ccaaagtaat tttctggtaa gaatttcaag 60
tactatatca gaaagtataa aactgtttca aacagaaaaa aaaaatcctt aagccccca 120
aaaatggaaa ctatgaaaat ctgtgtcccc aaaatatatg caatagtgc agactttccc 180
tcaaacatgg aagacctcat tcaaaggggg aaaaaggagc agattttact catatt 236

<210> 1179
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1179
cctttgtccg gcaccctgcc cacaggctga gctcagcccc aggccctttc aggcattctag 60
acactcccat agcctgtcag gctggggcaa ggagatccca ggtcacacat actccttgga 120
agagttggac ttagggtaag agcgggggtgc acggtaacca gccttgctct cattcccagg 180
acaggaacag gagagtagtg cacctcccag gatgactagg gcagaccctg cccagccaat 240
aaagatggca gggccaaact catacttaat gttggtaggg atcaaagggt tataaaagtc 300
tgtgacaatc tgatgg 316

```
<220>  
<221> misc_feature  
<222> 339  
<223> n = A,T,C or G
```

```
<210> 1181
<211> 604
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 550, 563  
<223> n = A, T, C or G
```

```
<210> 1182
<211> 601
<212> DNA
<213> Homo sapiens
```

<400> 1182						
cctgctgggc	ttggcaacga	gggactcggc	ctcggaggcg	accagacca	cacagacact	60
gggtcaagga	gtaagcagag	gataaacaac	tggaaggaga	gcaagcacia	agtcatcatg	120
gcttcagcgt	ctgctcgtgg	aaaccaagat	aaagtatgcc	attttccacc	accaagcaag	180
cagagcctgt	tgttttgtcc	aaaatcaaaa	ctgcacatcc	acagaacaga	gatctcaaag	240
attatgcgag	aatgtcagga	agaaagtttc	tggaagagag	ctctgccttt	ttctcttgta	300
agcatgcttg	tcaccaggg	actagtctac	caaggttatt	tggcagctaa	ttctagattt	360

ggatcattgc ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggatatca 420
 tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggt 480
 tttgtgccac agcataacag gcactgcctc cttacctgtg aggaatgcaa aataaagcat 540
 ggattaagtg agaagggaga ctctcagcct tcagcttcct aaattctgtg tctgtgactt 600
 t 601

<210> 1183
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 328, 385
 <223> n = A,T,C or G

<400> 1183
 ccagatttct ggcacttgta gcaagctcct gtggggaggag gttcttgagg aacgcctggc 60
 tgctgcggtt cagggtgttg gaagttcttg tttgctggag atgtggctgg ggtttgtctc 120
 acagtggagg caaggaattg caactttttt tttttattat tgtacacctt gaaggcgagg 180
 ttaattaaat cctgttgttg agtttgaggg ccggaattta atttttggag ttttatttaa 240
 tatcgggagc agattgggta ataaaatgta tattgagaat aagacggcct tttgaccttt 300
 tagggctctag ggctgtaaag tgtctcangg ttgctgccga acgagccatg aactgggctg 360
 ggtttttata tttgatgaaa aagancctaa acgcttctga tttgggataa agaaaaagga 420
 gcattaacct tgactatgtc ttttagc 446

<210> 1184
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 384
 <223> n = A,T,C or G

<400> 1184
 aaaaatcagg caagttgtct gtaacatttt tcaataatct gggaagcact gcaatccagt 60
 gtacgatgtg ctgattagtg ttgtctttgt tggcactgac ccaccaaggg aatgacatgt 120
 acgatgaaga aaaagtgaag tacactgtgt tcaaagtatt gaagaactcc tcgcttgctg 180
 agtttggtca gagcctctct cagaccatgg gatttccaca agatcaaatt cgattgtggc 240
 ccatgcaagc aaggagtaat ggaacaaaac gaccagcaat gttagataat gaagccgacg 300
 gcaataaaaac aatgattgag ctcatgtgata atgaaaaccc ttggacaata ttcctggaaa 360
 cagttgatcc cgagctggct gctngtggag cgaccttacc ccagtttgat aaagatcatg 420
 atg 423

<210> 1185
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 209, 216, 228, 242, 260, 287, 305, 353, 355, 382

0920300.03404

<223> n = A,T,C or G

<400> 1185

```
aaactccaaa tgctgcagat gaaagtaaata acaacaaatg caagtaaata caacaaaata 60
acaataaaat cacttggtgtg ctgacttgct ggattctggt taagcacaga tgggatgttc 120
ctgatattca ctaagaagag tctaactaat ggctactgtg tgtgtgtcag tagcccaggg 180
tttttttttt tttttttttt ttaagggana acctancatt ttatttanat cttcattaaa 240
cngtttgaat tgagaaccan acatacgtaa taaacctcca aaaatanatc ctgaaaggca 300
cttnttgctt agggcaagca gtcattggaat aagcatgtaa acaagctggc ttntntgtac 360
cacaccagcc aagtcagctt tntccatgg 389
```

<210> 1186

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1186

```
ccaccatctc gcgctccttg cggtcgggga agccgtagtc tggcgggaag gttggctgtt 60
tttacatcta aagcaataga ctagaactga attatcttct acatagtaaa atcacaattg 120
tggaattaca ggaattctgg tgatattaag gtgaaataac aaaacacaaa aggccctatt 180
ttaacagttg atgtgacagt aagttttaat agaacctgta acttcatttt ggaaatgctt 240
ctccacaaa taagggtctt ttcccttatt taaggagcca gatggattga aagatgtgga 300
aataggcag 309
```

<210> 1187

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1187

```
atcacatctc cccaaaatca tctaagagac atatttacac aagttctgac catgctaaaa 60
aattcatgaa tgtgatggtg tataaagcat ttggtacatg atgatacttg ctttccagaa 120
gctggcattt gcatattata aaacgttaag aagaaggctg acctcggaat gtaacagaca 180
atagttttat gtttcttctc aatatacagt gacctggaag gactccctgt tggtaaaacc 240
tgcttcccc ctgctcagcc tgccatcagc catccag 277
```

<210> 1188

<211> 67

<212> DNA

<213> Homo sapiens

<400> 1188

```
caggctgcca gccccccagt ccagccctct cccttccact ggtgccttgc ttagagccag 60
aagggat 67
```

<210> 1189

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1189

```
aaacagttgg aacaccggtg gcactgttaa ctgctttctg ggcagcctct ttagcttggt 60
gggctttag tagactaca gcttcatcaa ccttagaacg gagtgactct ggagactcga 120
gcatatgaag aagttctgaa ttatcaatct ccaacaacat gccagtgatt ttaccagcaa 180
```

09920300 "073101

gagtaggggtg catggccttga ataagaggaa acagccgttc acccaacatt tgcttttgc 240
 cttgaggagg ggcagatgcc aacatggaag cagtcaaagg ttcttgacct tgtacatgaa 300
 cagcaggctg ttgcattgta acttgtggct gtgcattaag atgttgctga ggattgcgaa 360
 ctctgcagc atatttatac tgtggaacgg tgcggacagc aggagtagct gcagcggctg 420
 cag 423

<210> 1190
 <211> 279
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 35, 126, 186, 229, 269
 <223> n = A,T,C or G

<400> 1190
 nccagctcga tgaaactccg tctctactaa aaatntaaaa attagcagag cacagtggca 60
 cctgcctgta atcccagcta ctccaggagg tgaagcatga gaactgcttg aacctgggag 120
 gcggangttg cagtgcgccc agattgtgcc actgccctcc agcttgaca atagagcaag 180
 atttcntctc aaaaaaaaaa agaaaaaagaa aaccattatt ttgcaatanc caatgttata 240
 atctacacag gcacagacta tcaatgctna aaatcattt 279

<210> 1191
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 561, 571
 <223> n = A,T,C or G

<400> 1191
 cctacttctg cttcctcagg acaacttccc cacctctgtc ctgggaccac ctgcccgcct 60
 gggcctgcag tgactaagga cgctgctccc actccagggg ccagtgcag agagcagcta 120
 tacagagggc ccaccccgcga ggatccttga caggagctga gacagaacaa actgctgctt 180
 gtctccctac cctgggggct gtgataattct tggtaacatc tctgagctgg tctgtgaggt 240
 cacttcctct ttaacactg ttgaggagac tccaaaccct gtcttttctc cgtcttctca 300
 tgtcgattgg gcaccagcca ttctcaggca ccagagcaca gccccacacg ggtgccccat 360
 cagacagggc tgcccacagc agcctcctac acctgaactg ggtttctctg cacactcaca 420
 gccgtctcac cagctcaatg agctgctgga tgtttttgtt ttggttcgac aagccgttcc 480
 tgatgttttc gagtaggcat ctcttcaatt caaatatggc ttactgtag gccaaagctca 540
 ctgcggccat gggaggtgct ncgtgccaca ngacctcggc 580

<210> 1192
 <211> 269
 <212> DNA
 <213> Homo sapiens

<400> 1192
 ccacactctt caagatcctg gcgtccttct acatcagcct agtcactctt taaggcctca 60
 tctgcatgta tacactgtgg tggatgctac ggcgtccct caagaagtag tcgtttgagt 120
 cgatccgtga ggagagcagc tacagcgaca tccccgacgt caagaacgac ttgccttca 180

09940300 "073101

tgctgcacct cattgaccaa tacgacccgc tctactccaa gcgcttcgcc gtcttctgt 240
cggagggtgag tgaaaacaag ctgcggcag 269

<210> 1193
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1193
ccttcctccc ttccagcaact ggggctcaac agtggactga gtgtttggta gtgtacattt 60
ccaatcttaa tagagcaaag ccagacttct gctttgatga ctgagctaca gggacaggag 120
tgggtccaagg ttctcaaatt ctgtttttgt tttttccag acttctatac tattgtctgc 180
cctaggctgt aggggaatgct ggtagtttg ctgaacagac actgtgttca gcagggtttg 240
tggtatctca aatcccagggt ctgagccaaa gctttgcagt tcacctgac tccagggaac 300
agggcctcct ttcgagggtga ggcacttggg ttcttgcct tgcttcttcc cagtgagaac 360
tgtttcttcc tacttctaca agcattgcac tgccag 396

<210> 1194
<211> 341
<212> DNA
<213> Homo sapiens

<400> 1194
ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagttccag agccatagaa 120
atatactaga ggagaacctt cggcgctctg acaaggagtt agaaaaacta gatgacattg 180
ttcagcatat ttataagacc ctgctctcta ttccagagggt ggtgagggga tgcaaagaac 240
tacagggtatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
ttttacctgc aataccccct taccccaata ccaagaccaa a 341

<210> 1195
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1195
ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctcttgacg ttgacaatcg 120
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgctacac gaccgggggt atactacggg caatgctctg aaatctgtgg 300
agcaaacac agtttcatgc ccacgtcct agaattaatt cccctaaaaa tctttgaaat 360
agggcccgta tttacctat aacacccccct ctacccccctc tagagccaaa aaaaaaaaaa 420
aaa 423

<210> 1196
<211> 314
<212> DNA
<213> Homo sapiens

<400> 1196
catgaatgtc ctggcagatg ctctcaagag tatcaacaat gccgaaaaga gaggcaaacy 60
ccagggtgctt attaggccgt gctccaaagt catcgctccg tttctcactg tgatgatgaa 120
gcatgggttac attggcgaat ttgaaatcat tgatgaccac agagctggga aaattgttgt 180

gaacctcaca ggcaggctaa acaagtgtgg ggtgatcagc cccagatttg acgtgcaact 240
 caaagacctg gaaaaatggc agaataatct gcttccatcc cgccagtttg gtttcattgt 300
 actgacaacc tcag 314

<210> 1197
 <211> 71
 <212> DNA
 <213> Homo sapiens

<400> 1197
 aacgagttca tcttcagcc catccacaac ctgctcatgg gtgacaccaa ggagcagcgc 60
 atcctgaacc a 71

<210> 1198
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 1198
 cctcactttt tggagccacc ttagctggtg cctaggcaga ggggcagtca gcagtgggta 60
 tcaggatcct ggctctatgg gttgccttcc tctgggtctg taaagcccct gcaggcaggg 120
 acttcttaga tagctgcttc cttagggcat ggcatgtagt gggggtgtaa tgaatggaag 180
 agagggaatg agtgatcaag ggagggagga gggagtggag tggagatttc tcatcctttc 240
 ctgttaattt atgacatcct cctgcctatg agtccttgac tctggagttt tacaaagcag 300
 tcacatttca aataaaagtc tgggaaagca acacatcatc gccaaactttt aattttgcta 360
 aataaggata ttagaaaaag aatagaaaat tgcagtcctt tactgttt 408

<210> 1199
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 1199
 gtagtttctt catttcagga agactgacag ttgttttget tcttccttaa agcattttgca 60
 acagctacag tctaaaattg cttctttacc aaggatatct acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa tacaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggaggtg gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360
 cttgaataca agtttctgat accactgcac tgtctgagaa tttccaaaac tttaatgaac 420
 taactgacag cttcatgaaa ctgtccacca agatcaagca gagaaaataa ttaatttcat 480
 gggactaaat gaactaatga ggataatatt ttca 514

<210> 1200
 <211> 245
 <212> DNA
 <213> Homo sapiens

<400> 1200
 aaatgagatt cgttattggt gcttttatgt gaatccttag tacatggcct gctgcaaaca 60
 cccaggacac cgaggaaatg gtcgttgctg ttgatgtttc ctcatcccca gtctcaaggg 120
 gaagccaggc caatgagaag agccacttgc catcaggctg tcccttttagg agtcactgaa 180
 agggccccag ggtgggatgg tggggagata agaaccacga gagaagttgg cacaaaggag 240
 ttatg 245

05950300 073404

<210> 1201
 <211> 190
 <212> DNA
 <213> Homo sapiens

<400> 1201
 ctgaaaacag tgggaggcca gatgctggcg tcttccaggc gggaacgtag ccatgatcac 60
 tctagggccg atgtctcctg gggctctccg gcaggacaag acaggtgcac cgggtactgtg 120
 caatcccagt tttacttaga gccacctctt gtttgggggg gcattagtc tcatctcatg 180
 ccagattttc 190

<210> 1202
 <211> 552
 <212> DNA
 <213> Homo sapiens

<400> 1202
 ctgtttcaaa gttgggtgtc gttcttgaat cctctattaa ttactgtgtg tgagccagag 60
 ggagctgtgg taagggttgg gccccagcc tgtagggaac tttctggact cccactcttt 120
 gaatcgatat aggcatttgg tctcactact tgaccattct caccctgtga aacgtccac 180
 actttgaagc aaatacaatt cacagcacag tacacacaaa aaccttggca taagacagag 240
 aagggtcttc ttattttgtg ggctgggtgc tgtagaaaca cataacaaag ggcagccctc 300
 cacttctggt ataattgtgt agcccccttt ctttgggctt gacacctgtc ttgaataaga 360
 gtgattagag ctgcataatg tccctctctt ggctattgac catgtgggtc acgtacaaaa 420
 ctctgtataa gttgaaggaa aatgttcatg ttcataatgta cttgtttgtc atgactacat 480
 tttgagggtt tgtaaaactg ttattttttt tttttcacia tgtgaaactg aagggtcaata 540
 aattattaga ga 552

<210> 1203
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1203
 aaaaagtaca tctctctccc tctctcccca catgcacaag gctcacatct cattatgggtg 60
 cggcccatgt acattaaagt gtgatacttg gttttgaaaa cattcaaaca gtctctgtgg 120
 aaatctgaga gaaattggcg gagagctgcc gtgggtgcatt cctcctgtag tgcttcaagc 180
 taatgcttca tctctcttaa taacttttga tagacagggg ctagtgcac agacctctgg 240
 gaagccctgg aaaacgctga tgcttgtttg aagatctcaa gcgcagagtc tgcaagttca 300
 tccccctctt cctgaggtct gttggctgga ggctgcagaa cattgggtgat gacatggacc 360
 acgccatttg tgg 373

<210> 1204
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1204
 ctgttgctgg aagacatggc gggtgtggaa atgacccaag caaagcggtt ctgctttctg 60
 gctggtagtt ctgagtgtct cggtgtgtgc aggtgttga gaggggttcag caccaggggt 120
 cttgtgtctg ttattgccag gtgcactcag agagacattc tgaaggggaac cctgcaagtt 180
 gcctgttgtt gttcttccca ggggaggact gagcatataa ccactgcttc ccaagggagg 240
 cttttccac aaagggggca cagcagtctc ctgtccattt tttactgggtg gaccacccat 300

05520300.073404

ggctgttgcc tcctcaggta gactgatgcc tgataaccca ttggcactga gtttccccag 360
 tgatgctgcc tgcagcagtg catccatctt ctctctagtt tcctcttttg tgagagccag 420
 ctctctcttc aggagctcgg cgccatgccat atgctgccat tctgtaaagc agtgtcggga 479

<210> 1205

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1205

ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgtatg 60
 agtagttgag aacggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcaggggtc agtctaagtg aaggcaaaga gaggctggga tgaagggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
 ggtattgagg ataggagagt atatgggttt ggcaccacgg ggtggatagg caaaaacaatt 360
 tggttgataa ggcgcagatc ctgaactaac ttgtaaaggct tgtctcgttt taggacagga 420
 aaaatggggg aattgtaaagg agagtttata gggttt 456

<210> 1206

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1206

aaatacattt tcaaaattat ctattactag gtccactggt ctccacataa tgaaactatt 60
 ctggcttcaa gtggtactga ccgccgcctg aatgtgtggg atttaagtaa aattggggaa 120
 gaacaatcag cagaagatgc agaagatggg cctccagaac tcctgtttat tcatggagga 180
 cacactgcta agatttcaga ttttagctgg aaccccaatg agccttgggt catttgctca 240
 gtgtctgagg ataacatcat gcagatatgg caaatggctg aaaatattta caatgatgaa 300
 gagtcagatg tcacgacatc cgaactggag ggacaaggat cttaaaccga aagtacgaga 360
 aatgtttctg ttgaatgtaa tgctacatga atgcttgatt tatcaagcgc caaaaaggca 420
 ttgtatagta ggaaatgtaa gtgggggtggc ttatggcttc tttatcctct gattctagca 480
 ctttcaagtg agctgggttc gtactgtatc atattgtagc 520

<210> 1207

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1207

aaagaaggta aaattggaaa aaaaaaaaaa aaagaatttt tttttgtttt aattaaaacc 60
 tctccttaca aaataaataa ttttagcaag tggaatgtct tgaagggtta ctgctggtgt 120
 tctgagaggc acaggtgaca gagcgagcag gcatctgcct tccacatggg gccagggcag 180
 gcaaccgggg gcagtgtgct cgggcactta ttggctgctg aaacattccc agaacagatt 240
 tcatctcctt tgcttgccct ttacctcttt cttaagactg cagtgaacaa gcaaaggcag 300
 gaggaaatgc actaaaagag tgcaaatgtt tcccagcagc accgttttaa ggctcaagggt 360
 gtttttctct tctttt 375

<210> 1208

<211> 454

<212> DNA

<213> Homo sapiens

00620300 "03101

```
<210> 1209
<211> 324
<212> DNA
<213> Homo sapiens
```

```
<400> 1209
aagctttttt tttttttttt tttttttttt tttttggata agngctttat ttttatattc 60
tctatgaaaa catcaataat taagccctt tgttctaagc cagaaacact gtaaaactac 120
cattaaacaa ggcagtatgc cttacaagaa agacataaaa tgtccaaggg atatttanaa 180
catttttagtt cttaaagttt caacatgana aatgttgacc acacactggg aaatcatttc 240
aataaataac aactgacatt catntaaaca gttacaaaac anatgngcac atacattccc 300
ctgccttcac aatgatctca ttgg                                     324
```

```
<210> 1210
<211> 535
<212> DNA
<213> Homo sapiens
```

<400> 1210							
ggaagaaatc	gatgttgttt	ctgtggaaaa	gaggcaggct	cctggcaaaa	ggtcagagtc	60	
tggatcacct	tctgctggag	gccacagcaa	acctcctcac	agcccactgg	tcctcaagag	120	
gtgccacgtc	tccacacatc	agcacaacta	cgcagcgccct	ccctccactc	ggaaggacta	180	
tcctgctgcc	aagaggggtca	agttggacag	tgtcagagtc	ctgagacaga	tcagcaacaa	240	
ccgaaaaatgc	accagcccca	ggtcctcgga	caccgaggag	aatgtcaaga	ggcgaacaca	300	
caacgtcttg	gagcgccaga	ggaggaacga	gctaaaacgg	agcttttttg	ccctgcgtga	360	
ccagatcccg	gagttgaaa	acaatgaaaa	ggcccccaag	gtagttatcc	ttaaaaaagc	420	
cacagcatatc	atcctgtccg	tccaagcaga	ggagcaaaaag	ctcatttctg	aagaggactt	480	
gttgccgaaa	cgacgagaac	agttgaaaca	caaacttgaa	cagctacgga	actct	535	

```
<210> 1211
<211> 395
<212> DNA
<213> Homo sapiens
```

<400>	1211						
gcgatccgag	ccgggacggg	ctgcaggcgg	gggtgctgca	gaggacacga	ggcggcgggc	60	
tggagacatg	gaccgcggcg	agcaaggtct	gctgagaaca	gacccagtc	ctgaggaagg	120	
agaagatgtt	gctgccacga	tcagtgccac	agagacctca	tcggaagagg	agcaggaaga	180	
qctaagaaqa	qaacttgcaa	aqgtagaaga	agaaatccaq	actctgtctc	aaqtgttagc	240	

agcaaaagag aagcatctag cagagatcaa gcggaaactt ggaatcaatt ctctacagga 300
 actaaaacag aacattgcc aagggtggca agacgtgaca gcaacatctg cttacaagaa 360
 gacatctgaa accttatccc aggctggaca gaagg 395

<210> 1212
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 129, 168, 206, 217, 250, 262, 288, 303, 314, 323, 332,
 363, 365, 381, 425, 443
 <223> n = A,T,C or G

<400> 1212
 tttttttttt tttttttttt tttttttttt taaggggngc actttttattc aactgggtctc 60
 aagtcagtgt acaggtaagc cctggctgcc tccaccact cccagggaga ccaaaagcct 120
 tcatacatnt caagttgggg gacaaaaaag ggggaagggg gggcaccnaa ggctcatcat 180
 tcaaaataaa acaaaataaa aaagtnttaa ggcgaanatt aaaaaaattt tgcattacat 240
 aatttacacn aaagcaatgc tntcacctcc cctgtgtgga cttggganag gactgggcca 300
 ttntccttaa aaanaagtgg ggnngctttt angatggcaa gggacttcct gtaacaatgc 360
 atntnatatt tggaatgact nttaaaaaaa caacaatgtg caatcaaagt cctcggccac 420
 attgngaact ttgggggatg ctngctccaa ccgactggtg tca 463

<210> 1213
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 1213
 cctagggggc atatcaaggg tttaatagac tgggggaatg ggcaacagaa ctggctacct 60
 tagaggctct ggaatgcccc ccaccatcc acccaccaat ggaaggaaag tcaggcatcg 120
 cctaaaagga gtgggtcccta tctagcccca agtctggagc agaaagggca ggtccattct 180
 ggcccaagtg acattgttag atcctgtccc ctcccccaat cactgctgct tgccagggtg 240
 cctcttcaca gttcccatgt ggcagcagta gtggcagagg cagaagtgga cttattgtag 300
 attgcagtac agatacatgg acacaatcat ggcagccagc tcgaggcccc caattccag 359

<210> 1214
 <211> 595
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 574, 578, 582, 588
 <223> n = A,T,C or G

<400> 1214
 tgcatatcag ttgagcttca tataaccagca atatatctga agagctatta tataaaaacc 60
 ccaaactgtt gattattagc caggtaatgt gaataaattc tataggaaca tatgaaaata 120
 caacttaaat aataaacagt ggaatataag gaaagcaata aatgaatggg ctgagctgcc 180
 tgtaacttga gagtagatgg tttagacctg agcagagaca tgactcagcc tgttccatga 240
 aggcagagcc atggaccacg caggaagggc ctacagccca tttctccata cgcactggta 300

05950300-03404

tgtgtggatg atgctgccag ggcgccatcg ccaagtaaga aagtgaagca aatcagaaac 360
 ttgtgaagtg gaaatgttct aaagggtggtg aggcaataaa aatcatagta ctctttgtag 420
 caaaattctt aagtatgtta ttttctgttg aagtttaca tcaaaggaaa atagtaatgt 480
 ttataactgt ttactgaaag aaaaagacct atgagcacat aggactctag acggcatcca 540
 gccggaggcc agagctgagc actcagcccg ggangcangc tncagganct cggcc 595

<210> 1215

<211> 354

<212> DNA

<213> Homo sapiens

<400> 1215

agtcagtgcc ctgtatgctc tccagggtgca ctgctataac agcaacttcc caaaaggcat 60
 gttacttcgc tttttgtgct acttctatga catggaaatt attgaagaag aagctttctt 120
 ggcttggaaa gaagatataa cccaagagtt tccgggaaaa ggcaaggctt tgttccagg 180
 gaatcagtgy ctaacctggt tagaaactgc tgaagaagaa gaatcagagg aagaagctga 240
 ctaaagaacc agccaaagcc ttaaattgtg caaacatac tgttgctatg atgtaactgc 300
 atttgacctt accactgcga aaattcattc cgctgtaatg ttttcacaat attt 354

<210> 1216

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1216

aaagtaaaaa tttccagatg cctcaaaaagc agtgagttca atttggtgtc ttgtgttctg 60
 gcaaagaaca gttaagttaa cagcactgca gtcacagttt tcaaagtctg tgaccaatta 120
 tttgagagtt ataactctga ggctccattt tcaaaatatg tgggataaca ctgtcaattc 180
 gtatatggcc aatgagacct ttgaaaaaca attcttcagt gatggtagca ttcacagtc 240
 ttaaagctgg caatctgagt agtagtctgg ataacctgta ggtgtcatct ggatagtgtt 300
 tggttatata atcttggaat tccacataag ccttttctct aaatttctct atctgttcca 360
 tgttttctag gcttggaatg tctggacaga agagtactat tgccttcagg taggcatatt 420
 cgtatccatc aatgcagagt ttaaccatgc tgttacaaaa ctctgtagt ttgaagatgt 480
 gctccatcaa taattttctt ctttc 505

<210> 1217

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1217

ctgatatctc ctggtgctat ccccaaactg ccaactctaa ctcttgaagt aaataaataa 60
 tctttgctgg caggactatg ctgaatctcc ttaggcactc tctaatacaga tgtcctagg 120
 cctcccaatt cttagacctt ttataacctg ttttctcctt ctcttattcc atttagtttc 180
 tcaattcatc caaaaccgta tccaggccat caccaatcat tctatacaac aaatgtttct 240
 tcttacatcc ccacaatata accctttacc acaagacctc ccttcagctt aatctctccc 300
 actctaggtt cccacgcgcg ccttaattct gcttgaagca gccctaagaa acattgcccc 360
 ttctctctcc ataccacccc caaaaaatt ttgcgcgccc caacacttca acactatatt 420
 gttttgtctt attaatataa gaaggcagga atgtcagg 458

<210> 1218

<211> 505

<212> DNA

<213> Homo sapiens

09520300 03101

<400> 1218

```

ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacgaaag 60
gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
ccaacgagag catctgtctc agagctccac tcagggtcac ccctctccag aggccggtat 240
ggggtggctt cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
aaattcaccc aagaagaggt ttcagcattg tgtaggttgg agtaaaactg cagagcagtt 360
ccagggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggag 420
atgatggagt tgcagagaga cctggtgcc aatcgaagga tacaggcaga caccaagacc 480
aggaagacgg ctatagctga gatgg 505

```

<210> 1219

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1219

```

ccactgacaa aaatgacccc catttgtgtg acttcattga gacacattac ctgaatgagc 60
aggtgaaagc catcaaagaa ttgggtgacc acgtgaccaa cttgcgcaag atgggagcgc 120
ccgaatctgg cttggcggaa tatctctttg acaagcacac cctgggagac agtgataatg 180
aaagctaagc ctcgggctaa tttcccccata gccgtggggg gacttccttg gtcaccaagg 240
tagtgcattg atgttggggg ttcctttacc ttttctataa gttgtaccaa aacatccact 300
taagttcttt gatttgtacc attccttcaa ataaagaaat ttggtaccca aaaaaaaaaa 360
aaa 363

```

<210> 1220

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1220

```

aaactaacat gccccaaaca gatgagacct cccaacttga aaggatccct gcaccacaat 60
gcaatgttta agtacctgtg acaggcttct atgtcaaaca aacaggatgc tctggttctt 120
gtccattttc ctagcttatt acgataaaga atttctgatg attcccatgt ttgacggtcg 180
tccgaactgt ccttagtagg gcaggaagtt tctgaagtga catctttgg 229

```

<210> 1221

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1221

```

ctgatatctc ctggtgctat ccccaaactg ccactcttaa ctcttgaagt aaacaaataa 60
tctttgctgg caggactatg ctaaatctcc ttaggcactc cctaatacaga catcctgagt 120
catcccaatt cttagacctt ttataacctg ttttctcctt ctgttattcc acttagtttc 180
tcaattcatt caaaaccgta tccaggccat caccaatcat tctatacgac aaatgtttct 240
tctaaccatcc ccacaatatc accccttacc acaagacctc ccttcagctt aatctctccc 300
actctagggt cccacgcgcg ccctaattccc gcttgaagca gcgctgagaa acatcgccca 360
ttctctctcc ataccacccc caaaaatttt cgccgcccc acaacttcaac actattttgt 420
tttatttttc ttattaatat aagaaggcag gaatgtcagg 460

```

<210> 1222

<211> 315

09520300.073101

<212> DNA
<213> Homo sapiens

<400> 1222
ctggccgaca agactgtttt attgcaggtg cgttctcttg agagcgtggt ggggcccac 60
ttccctctcc ccacccttta gctagcccag catggttctg aacaaaatga aagtcttaag 120
ggccatagag gggaaagaaa aaaaaagaga accagcacat tacaaagcga ccatccccac 180
atccattcct aggacgggcc ctcagggcgg tgggtgcatc gtgaggaggg agcgggcatgg 240
gatgttagca ccagggtattt acagaacagc tcgagagcgc ttcaggaacg cgggcaagtc 300
caatctgcag agtgg 315

<210> 1223
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 509
<223> n = A,T,C or G

<400> 1223
aaaaagctgg gcatggtggc atatacctgt gggtccaggt acctggaggg ctgacgtagg 60
aggattgcct gagcccagca ggccgaagct acagtgaagc gtgattgtgc cactgcactc 120
cagcctgggc gaggagagca agactctgtc tcaaaaataa atacataaaa tacagcgctc 180
aaaagtgtgt catcttcttt ctcttcacaa ttttataata agggggtaaa atgcctgtga 240
gtctattcat tatggaaaat aaaaaagaaa caaccattta aggctgaggg attttggttt 300
tctgtctggc ttttagattat taactgcatt aagcccctca ctataacttc accagtatcc 360
tagaaacaat ttgggtttcc tttttaggca gggacaggaa gtattcaaag gacagacata 420
tggacagagt taggccttc aggggtgaag tctgtggttt cttgtgtctc aagactcaat 480
gtcttgagaa gttggtggac cctgtcctnc atccaagaag tgct 524

<210> 1224
<211> 488
<212> DNA
<213> Homo sapiens

<400> 1224
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gtggtgggaa cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg 120
tccgcctgct actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa 180
agagaaaaatc agttcgtggt tgcattgtgg atgcaaatct gagcgttctc aacttggtta 240
ttgtaaaaaa aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc 300
tgggcccacaa aagagctagc agaatccgca aacttttcaa tctctctaaa gaagatgatg 360
tccgccagta tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag 420
caccacaagt tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg 480
ctctgaag 488

<210> 1225
<211> 64
<212> DNA
<213> Homo sapiens

<400> 1225

05520300-073104

ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgtcc tgggactcgg 60
agac 64

<210> 1226
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1226
ctcagagaaa caccaactga aaagagccag gaaaacccgg gaattttcca aaaggtcttc 60
acgttaaaact tgtcttatct caggagagag cccgctcttg tctcccagtt cctggtaggg 120
tctgcctgtt ggaaagtgt cctggatgct tctgggctcc gtttggaat agcaatcttg 180
gctgatgtgc acagtctggc tcccagctca cctttttttt ttaaagtaag aaaatagttg 240
ctaccgatag ggactttgcc aagtccaatt atcttctagg attgaaagggt gcattttccc 300
cataaaaaag gcgaggaaaa cccatggctg ctttgtgtca cctcagtgac ttacagtccc 360
ccttggcatt tagttggtag tagagccagt catccttaac aaatcttttc acattttatt 420
tctttcacat gtagtcatct tcaaaaagga aagatttggg attttagaaa aggggcaact 480
cttcttttta gcatttctcat cag 503

<210> 1227
<211> 356
<212> DNA
<213> Homo sapiens

<400> 1227
caggaatggg ctgagagtgg tgtttgcttt ctccaccaga agggcacact ttcattctaat 60
ttgggggtatc actgagctga agacaaagag aagggggaga aaacctagca gaccaccatg 120
tgctatggga agtgtgcacg atgcatcgga cattctctgg tggggctcgc cctcctgtgc 180
atcgcggtca atattttgct ttactttccc aatggggaaa caaagtatgc ctccgaaaac 240
cacctcagcc gcttcgtgtg gttcttttct ggcacgtag gaggtggcct gctgatgctc 300
ctgccagcat ttgtcttcat tgggctggaa caggatgact gctgtggctg ctgtgg 356

<210> 1228
<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58, 60, 62, 71, 97, 113, 130
<223> n = A,T,C or G

<400> 1228
aagctttttt tttttttttt tttttttttt tttctttttt tttttttttt tttttttngn 60
ancccaaagg ncttttattt ttttttttta aaacctntta tgccatgaat tcntagggaa 120
taggttccan cagcccaggc tccttcccat tggt 154

<210> 1229
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1229
aaatcaaatg ataatttatt ctaagggttt ttacaaaata cgaaaatttt acatacataa 60

gaagaacagt ataactgagc aacttacatt ctaattaaaa ctttggttgca aaacatgttt 120
gtgactactc ttatgctgct ttcatatagt aaagttataa gaaaaacaat catatatatg 180
cagggtttt 189

<210> 1230
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1230
aaatcctgag tcaagccaaa acaaaaaaca aaacaaaaac aaaacaaaac aaaaaataaa 60
gccatgccaa tctcatcttg ttttctgcac aagtcagggt ttgtcaagaa aggggtgtaac 120
acaactaagt cacagtccgc ctagaagcat ttgaaggatg gatgatggag ccggactcat 180
catactcctg cttgctgac caccatctgct ggaagggtga cagcgaggcc aggatggagc 240
cgccaatcca cacagagtgc ttgagctcag gaggagcaat gatcttgatc ttcacgtgc 300
tgggcgccag ggcggtgatc tccttctgca tcctgttgga aacgctaggg tacatgggtg 360
tgccgccaga cagcaatgtg ttggcgtaaa ggtctttgtg gatgtccaca tcacacttca 420
taatggagtt caaggtagtt tcatggatgc cacaggattc catgccagg aaggaaagc 479

<210> 1231
<211> 325
<212> DNA
<213> Homo sapiens

<400> 1231
ctgagagtag acacttggtg tatgtggagt acagataagc caggggcagg ccacggcacg 60
ctccatgaaa gctaggaggg agtgaaatat cagtgatcat cgcaaggaa gaggcagaca 120
agagtaaggc acacctgact cttaggacta gcagtcagaa ccaggaggaa aggttttatt 180
gctatgcggg taggtaagaa cagattttac ttacatccat atagttactt aaagtccagt 240
tttctgttaa acatttttct taatatattg agccaaaact agtccagtta agctgaactt 300
ggtttttctg gagatgaatt gtttt 325

<210> 1232
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1232
gtgacaggcc gctgcggctc tgtgctggtg cgcctcatcc ctgcacccag gggcactggc 60
atcgtctccg cacctgtgcc taagaagctg ctcatgatgg ctggtatcga tgactgctac 120
acctcagccc ggggctgcac tgccaccctg ggcaacttcg ccaaggccac ctttgatgcc 180
atttctaaga cctacagcta cctgaccccc gacctctgga aggagactgt attcaccaag 240
tctccctatc aggagttcac tgaccacctc gtcaagaccc acaccagagt ctccgtgcag 300
cggactcagg ctccag 316

<210> 1233
<211> 516
<212> DNA
<213> Homo sapiens

<400> 1233
aaaaagaatg acgtttacat ataaaatgta attacttatt gtatttatgt gtatatggag 60
ttgaaggga tactgtgcat aagccattat gataaattaa gcatgaaaaa tattgctgaa 120
ctacttttgg tgcttaaagt tgtcactatt cttgaattag agttgctcta caatgacaca 180

```

caaatcccg c taaataaatt ataaacaagg gtcaattcaa atttgaagta atgttttagt 240
aaggagagat tagaagacaa caggcatagc aaatgacata agctaccgat taactaatcg 300
gaacatgtaa aacagttaca aaaataaacg aactctcctc ttgtcctaca atgaaagccc 360
tcatgtgcag tagagatgca gtttcatcaa agaacaaaca tccttgcaaa tgggtgtgac 420
gcggttccag atgtggattt ggcaaaacct catttaagta aaaggtagc agagcaaagt 480
gcggtgcttt agctgctgct tgtgccgttg tggcgt 516

```

```

<210> 1234
<211> 218
<212> DNA
<213> Homo sapiens

```

```

<400> 1234
gctgtctagt tttgtttttg ttttgagatg gagtttact cttgttgccc aggctggagt 60
gcaatggtac aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
tttgtatttt tagtagagat ggggtttcac catgttgg 218

```

```

<210> 1235
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 1235
gtggttgtca ttgtgtgtct gtgtgtggtt gtgtaactgt catcgtgtgg ctgcatgact 60
gggatttgtt ggtttcggga ggtccgcggg tgtgcgtgtg ctgtgcgttt gtgtgttgtg 120
tgctcgtgtg tgtgctgtgt tcgcgtgtgt gtgctgtgtg tgcatgtgtg tgctgtgtct 180
ttgtgtgtgt gctgtgtgct agtgtgctgt gtgtgcatgt gtgtgcgtgt gctgtgcgtt 240
tgtgtgctgt gtgctcgtgt gtgtgtgcat tgtgcgtgtg tgctgtgcgt ttgtgtgtgc 300
tgtgcgtttg cgtgtgtgct gtgtgtgcat gtgtgtgcgt gtgtgtgccg tgcgttttgt 360
tgctgtgtgt gcatgtgtgt gcgtgtgtgt gctgtgcgtt tgtgtgtgtg ctgtgtgctc 420
atctgtgtgc tgtgtgtgct gtgcgtttgt gtgtgtag 458

```

```

<210> 1236
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<400> 1236
aaaagctggt gaatgccctc cacctcggac cacagccagg ctcccttgaca agcttggttg 60
ggagtccctg gaagtgactt gcatcaatcc tacattcatc tgtgatcacc cacagataat 120
gagccctttg gctaaatggc accgctctaa agaggggtctg actgagcgtt ttgagctggt 180
tgtcatgaag aaagagatat gcaatgcgta tactgagctg aatgatccca tgcggcagcg 240
gcagcttttt gaagaacagg ccaaggccaa ggctgcaggt gatgatgagg ccatgttcat 300
agatgaaaac ttctgtactg ccctggaata tgggctgccc cccacag 347

```

```

<210> 1237
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 1237
ctgagggtgga gactcgcaag gtggtgctga tgcagtgcaa cattgagtcg gtggaggagg 60
gagtcaaaca ccacctgaca ctctgtctga agttggagga caaactgaac cggcacctga 120

```

```
<210> 1238
<211> 455
<212> DNA
<213> Homo sapiens
```

```
<210> 1239
<211> 505
<212> DNA
<213> Homo sapiens
```

```
<210> 1240
<211> 528
<212> DNA
<213> Homo sapiens
```

```
<210> 1241
<211> 460
<212> DNA
<213> Homo sapiens
```

<400> 1241

```

ctgctcccag gatggtcgtg tgttcatttg gacctgtggt gatgcctcaa gcaatacgtg 60
gtcccctaaa ttgttgacaca agttcaacga tgtggtgtgg catgtgagct ggtccatcac 120
agccaacatc ctggctgtct ctgggtggaga caataagggtg accctgtgga aggagtcagt 180
tgatgggcag tgggtgtgca tcagtgatgt caacaagggc cagggctccg tatcagcatc 240
agtgacagag ggccagcaga acgagcagtg acaagacagg tggggcctgg ctccccaccc 300
gccagctcca ggactgcccc ttcttggggc aactaaccag acaactggga agagccccca 360
actccaacag gattatitttc ccaggaggag ttacagatgc agccacagat tgatcatctg 420
ccttaacgtg atcggagatg ctttgtaatc tactgtccag 460

```

<210> 1242

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1242

```

ctgcaccagc tcagccgcca actcggggat attctcattt ggcatcaggt cacagctcag 60
gtgccgggttc agtttgtcct ccaacttcag cagaagtgtc aggtggtgtt tgactccctc 120
ctccaccgac tcaatgttgc actgcatcag caccaccttg cgagtctcca cctcag 176

```

<210> 1243

<211> 380

<212> DNA

<213> Homo sapiens

<400> 1243

```

cctgcggcac cccccatag agctgggtgag gaagtaactt ctgcttctca ttgcaactgt 60
agatccatcg gggacgaacg aatgccaggg aggggttgct catcagggcc tcctcaaagc 120
tgggatccca ttcccgtgct gtgatcaca actgaacccg gtcactcata tagtcctcga 180
gctccccatt gaaggctgtg gcgtatcgga tgagtttccg ccgctcgtcc ccagggaact 240
ccccgtaaaag aaagaagtgc ttgccctgga agaaatctgg gagctcaggg actggcagat 300
caggaggctc ctggtgttcc tcactgtccg tgttctcatc cgtggagcct gcatacgggt 360
cttccccatt ctctctctgg 380

```

<210> 1244

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 502

<223> n = A,T,C or G

<400> 1244

```

aaaaaataat tgagagttgt gacaacttcg attcttttca ggaggtgctg tcttaagata 60
gaagaaaggg atcaagctct tatcttagaa agcacagaca cgtttagctc agggtagtgc 120
aattcaatgc taagtggctg ctccatgaaa tctaaggggc gggtaagggg aagaggcca 180
gggacttctt ccttgtctga cactctcggt actagcattc tggcaggtct tacaagttat 240
aatacaaaac catcagataa attctaatac cgactgtgta gttcctcccc aaaataattt 300
tcctcttaga agtaaaatca ggaaaggggc tgagttctga aaagaaacat cggggctgtg 360
gccaggccc tctgagtgtg gacgtgttcc cccgtgtctc catgtttact gccttatcgt 420
ctcctttgta tgaaagtata atttacgtaa ttcgctcctg gagaatcaca gtggtgttca 480
agaacctttt gaggccatcc angtttttgt ccttcagtac cttgaaatca ga 532

```

<210> 1245
 <211> 478
 <212> DNA
 <213> Homo sapiens

<400> 1245
 aaagcctgac agaacagaag gcagtttata tcagcagtga agggatggca gtaatgggat 60
 ggcagtcagg gtggaccagc agaatgggtg aagagatgta ttggattggc tgacttgcta 120
 atcggagcta ttcttttttt tccccctttt aaatcagggt gagatgttac agccaaaaat 180
 atctggttgg cagaaagtgt tctggatata ctgacagagc aaagggagtg ggtcctgaag 240
 agcggcatcc tcattgccat ggctgtttac acgtacctcc gcctcatcgt ggaccaccat 300
 gggactgccc agctccaggc cctgcgacag aaggaagtag acttctgcat ctactgctt 360
 cgggaaacgg tcatggaatg tctgatgatt ggtcgggata tcgtaagact acttcagaat 420
 gttgctagga taccagaatt tgaactgctt tggaaagata ttatccataa tcctcagg 478

<210> 1246
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1246
 ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagt 60
 cattttgagc aatgggggaa gctcacggac tgtgtgtgtaa tgagagatcc aaacaccaag 120
 cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
 aatgcaaggc cacacaagggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
 gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tgggtggcatt 300
 aaagaagaca ctgaagaaca tcacctaaaga gattattttg aacagtatgg aaaaattgaa 360
 gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
 tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1247
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 1247
 aagcagcgag tcttgaagct ctgtttggtg ctttggatcc atttccgtcg gtccttacag 60
 ccgctcgta gactccagca gccaagatgg tgaagcagat cgagagcaag actgcttttc 120
 aggaagcctt ggacgctgca ggtgataaac ttgtagtagt tgacttctca gccacgtggt 180
 gtgggccttg caaaatgata aagcctttct ttcattccct ctctgaaaag tattccaacg 240
 tgatattcct tgaagtagat gtggatgact gtcaggatgt tgcttcagag tgtgaagtca 300
 aatgcatgcc aacattccag ttttttaaga agggacaaaa ggtgggtgaa ttttctggag 360
 ccaataagga aaagcttgaa gccaccatta atgaattagt ctaatcatgt tttctgaaaa 420
 cataaccagc cattggctat ttaaaacttg taattttttt aatttacaaa aatataaaat 480
 atgaagacat aaaccagtt gccatctgag tgacaataaa acattaatgc taacactttt 540

<210> 1248
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>

09520300-03104

<221> misc_feature
 <222> 44, 95, 113, 138, 148, 151, 163, 197, 209, 239, 294, 313,
 388, 418, 425, 472
 <223> n = A,T,C or G

<400> 1248
 gtacaagctt tttttttttt tttttttttt tttttttgct ttgnatagtt tattatacaa 60
 atgattgata gtaaaatagt gaatttttaa gcttnttcct aacctttcat tngaatgaa 120
 cagtgatgca gggagaana acattcanaa naaaaatcat gtntgtatta ttaaactaga 180
 agtgataaaa tgttcanaa gacaatgtnt ttaaaaaata ataaccttgt tggaattgna 240
 catctatcat tatcacaaca tgcttatttg atgaagctaa agaaaagcca gaanactaat 300
 atggctggat ganaatagca ttttaaaaca ttttcagcaa aattctaaaa atttgctgtt 360
 tagttccaaa actgaatttc atacaagngc tattattcca atagtttttt tcaattgnca 420
 ctagnatct tgatccatat actgcaatca taatatccaa aataaaagag tntttcatta 480
 ataaca 486

<210> 1249
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1249
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gctcctggga aaggaaagga ccacagcaaa caccattctt tttgccgtac ttcctagaag 120
 cactggaaga ggactggtga tgggtggaggg tgagaggggtg ccgtttcctg ctccagctcc 180
 agaccttgct tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1250
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 1250
 ccagtgaaga ggattcagag aaaataatac aaccatcaat cagaaaaagg aggggcgaca 60
 aaggaaaata attaggtgt agcctcaatt gtgcattccc gtgcaagggt ccctgactcg 120
 ccacagcggg aacagttgac ttcacttgct ttgctgcagt tgatggctac atgaccagtt 180
 tcaccacacc tatagcactt cactttggtg cagtcttttt gaatgtgtcc gaattctcca 240
 caagaatagc atttctgctc atctgcatgg tcgcagtcac gagccagatg gcctgggttg 300
 ccacagttgt agcagcattg ctctcgctct ctcttggggt ccttgccagtc cttggcaatg 360
 tgg 363

<210> 1251
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1251
 ctgcagtcgc ctagaaaact tgctcttaaa cttcagggtt ttttcttcct tcaaattttg 60
 gaccaaagtc tcatattctgt gttttgcctg cctctgatgc tgggaccggg aaggcggggc 120
 ctctgtcttt tgtgtctttt ctaccgcccc cgcgtcctgt cccggggggt ctctaggat 180
 ccccttttcg taaaagcgtg taacaagggt gtaaatattt ataattttt atacctgttg 240
 tgagaccgga ggggcggcgg cgcgggtttt tatggtgaca caaatgtata ttttgctaac 300
 agcaattcca ggctcagtat tgtgaccgcg gagccacagg ggacccacg cacattccgt 360

05920300.033101

tgccttaccc gatggcttgt gacgcggaga gaaccgatta aaaccgtttg agaaactcct 420
cccttgctca gccctgtgtt cgctgtggac gctgtagagg caggttgg 468

<210> 1252
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1252
ccaggtcgtt ctcaaactcc tgacctcaag tgatccaccc acctcggcct cccaaagtgc 60
tgggattaca ggcgtgagcc actgcgcctg gctgagtaca atattaatgt agacaaacca 120
tgaagtttat tatttcatat aagaacatta caggtttggt ttttcttgca tgtctgtcca 180
cctaattggt aagtagttct ggtagctctt cctattcttt attctatttg attccatttc 240
tgtgattctt ttattaccac tgatgttttg tgatagttaa ctatgataaa ttttaactgat 300
catgatttat cttctagagt attt 324

<210> 1253
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 57, 64, 115, 163, 170, 221, 241, 255, 294, 317, 319, 327,
333, 335, 353
<223> n = A,T,C or G

<400> 1253
caagcttttt tttttttttt tttttttttt ttttttacia ataaatgggg ttattanacc 60
caanagcagg gtcagaagga gaaacagcaa aaacggggag taagtgcccc ggctnctgcc 120
ccaaaccctt tgaggaaaag agaaacaggt gttgggcagg aanaacagcn ccaacaggga 180
ggagagggag gggattgggt cccggctcta ccacggacca ntcactttcc ccaggactca 240
nttttgtcac ctgntaatg ggggaagcac aatccttgcc tgactccttc caanagcctc 300
aattaggctt cgggtganana gtgggtntgg aananccttg caaactgtaa agngcagtag 360
acacatgcag gctagctgtg gccctggggc ccaggcccaa 400

<210> 1254
<211> 530
<212> DNA
<213> Homo sapiens

<400> 1254
ctgtaatcct caggatcact ttgcagctct caagattcag atacagagga agcttcaatt 60
caacctttca gagaagacat tccagctcgc atgatctcat caaccaagag aatgttggtg 120
gcaatcacag tgcaggagtg aagaagctgt ttctttacac aatagttatc ccatacgcct 180
acttctgctg ccaccattgg ctacactgtg ttcagggtcca caccacaag ctgacctgat 240
tctgaatggt ctgcttgaat tttactaat gtttcttgaa ggtcaaaacc agagtctga 300
gcaagaacct tgggaataat gagcaatgca tcagcaaatg cttggactcc aagctgtgcc 360
ctgcccttta cactgggctt atgttttaac agggcttctg ccattgccac ttccacggca 420
ccagcacctg gaaccacaca gccatcatca atagcatttt tgacagccct caagccgtcc 480
ctcactgcat ctttgatctg agtgagtgtg tgcttatttg gtcctttgat 530

<210> 1255
<211> 314

<213> Homo sapiens

cccagatcgc accactgcac tccagtctgg caacagagca agactccatc tcaaaaagaa 120
aagaaaagaa gactctgacc tgtactcttg aatacaagtt tctgatacca ctgactgtc 180
tgagaatttc caaaacttta atgaactaac tgacagcttc atgaaactgt ccaccaagat 240
caagcagaga aaataattaa ttcatggga ctaaataaac taatgaggat aatattttca 300
taatttttta ttgaaattt tgctgattct tt 332

<210> 1263
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1263
cctgacagac agaagggctt ggagattttt tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg cagggttcgta agcatagaga 120
cgatttgaat atcttccagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

<210> 1264
<211> 531
<212> DNA
<213> Homo sapiens

<400> 1264
ctgtagcacc accatcctac tcatcttcca catccccaat catgcctcat cattgttaaa 60
aggactcaga aatcacaagt gagaaaaatg aaacaaaagc agccatccca tagcttcagg 120
gtgagccttc acaggaccag atggataaag cagcagcact agtggagggtc tgcaccttcc 180
tgctttttta cctatttagc ttctaaaatt tttcaacact gattttaagc aaggtctcgc 240
tctgttgccc aggetggagt acagttgctc actgcaacct ccgcctccca ggctcaagcc 300
atcctcccat ctacagctcc caagtagctg gcaactacag tgcgccacca caccagcta 360
atttttgtat tttttgtaga gacggggtt cgccatgttg ccagggctga tgggtctcaa 420
actcctgagc tcaagcgatt ctcccgctc ggcctcccaa agtgcctggga ttacaggcgt 480
gagccaccgc gcccggcctg tacctttctt ctgaatcttc ttcttctttt t 531

<210> 1265
<211> 560
<212> DNA
<213> Homo sapiens

<400> 1265
aaaagactgg atggatataa aatagaatca actgtagtgt taggctgatc atgggaaatc 60
aaagtaagtt tgttttctct tgctgttcca acaattatag gaaactatgg tccaggaggc 120
agtggaggaa gtggggggtta tgggtgggagg agccgatact gagcttcttc ctatttgcca 180
tgggtaagta gcttttgagt ttacaatta ttattatctt gggagacata gctgcaggag 240
taaaagcttt ttaggatcat gttatctttc cttaaaatct ggtagatgg ataatttcat 300
aacctatttt ttttttactc ttacttctg ttgaaacagg ctactgtg taaataggag 360
aggatgagag ccagaggga acagaacagc ttcagggtat cgaaataaca atgttaagga 420
aactcttctc tcagtcatgc ataaatatgc agtgcattgg cagaagacac cagagcagat 480
gcagagagcc attttgtgaa tggattggat tatttaataa cattacctta ctgtggagga 540
aggattgtaa aaaaaaatgc 560

<210> 1266
<211> 616
<212> DNA
<213> Homo sapiens

<400> 1266

```

ctgctggctg gctgggcccc cgtagctgga ctggtttgac aagcccatgc ctcccatcat 60
ttggctacca taagcaccac cgcttgctcc tgctgtagaa ttcaagaaga gttctacata 120
tctgtgttct gaaatgagag aaaaggcata caaaagggta gcttaaaaaa aagacactaa 180
agtgatattt acacaaaccc atgcctccca gcatttggct accgtaagca ccaccgcttg 240
ctcctgctgt agaattcaag aagagttcta catatctgtg ttgcatattt gctttgtctt 300
ttgacatagc tgccacagca tcttcatgag ttgcgaactc gacatctgct tcaccagtta 360
ctctgccatc aggaccaatt tcaatgtgta ctctcacagg gttgagcggg gaaaaaaaaat 420
tataaatgtc attctcagta gctctgtaag gtaatccccg catgtgtaca cagtgtcctg 480
ttgtgctctg gaaagtagag ccaccatccc cgtatctgtg atcagacatt cctgaaaaac 540
agtaattgag gtctcttcca aatctatctg acccaaatcc atagccatca ttatagccat 600
tgtaatcatc atagcc                                     616

```

<210> 1267

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1267

```

ccaaggccag tgcttatctc tcaaaacaac tagacggggg ttccaaaggc tggcccccat 60
ggctaagggc cctggcagca actgcctgt tagcacaaga agcagatgag ctaactctta 120
ggcaaaacct aaacagaaag tctccccatg ctgtggtgac tttagtaa at accaaaggac 180
atcattagct aataaatgct agactaacta gataccaaac ctgctctgt gaaaatcccc 240
gcataaccat tgaagtttcc aacacccata ccagccacc ttactcctgg taacagagag 300
cccagttaaa cataactgtt tagaggtgct ggactcagtt tattctagta gg 352

```

<210> 1268

<211> 73

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 53

<223> n = A,T,C or G

<400> 1268

```

gtgtgtgtgt gtgtgtctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc gtntgtgtgc 60
tgtgtgctcg tgt                                     73

```

<210> 1269

<211> 517

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 500

<223> n = A,T,C or G

<400> 1269

```

aaattttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctttgg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120

```

05920300-073104

```

agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctatct caccgcaatg agcctttttc tttctacact gaagattttc ttcttattta 240
atgtgggtta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtggtttg atcgatatat taggggtagc tcttgatttt gttaacatta agataagggtg 420
actttttccc cctgctttta ggattaaaat caaagatact tctatatttt tatcactata 480
gatcatagtt attatacaan tgtagtgagt cctgcat 517

```

<210> 1270

<211> 144

<212> DNA

<213> Homo sapiens

<400> 1270

```

ctgggcccga ccttggggt ctatgggaag gaccagcagg aggcagccct ggtggacatg 60
gtgaatgacg gcgtggagga cctccgctgc aaatacatct cctcatcta caccaactat 120
gagggcgggca aggatgacta tgtg 144

```

<210> 1271

<211> 226

<212> DNA

<213> Homo sapiens

<400> 1271

```

ccattggcat cacagccaac tttgtgaatg gacgcaccgt ggaggagacg caggtgccgg 60
agatcagtggt tgtagccagg atctacaacc agagcttctt ccagagcctt ctcaaagcca 120
cagcagcaaa ggagaaggaa cctgtcccct cagggattaa gcaagcacag ccctagttga 180
tcaccacagca tgaaaagtcc tggaatctct cagagatgaa cctgtg 226

```

<210> 1272

<211> 602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 567, 570

<223> n = A,T,C or G

<400> 1272

```

ctgggcatcg ttgttggaat tctggtggcc cagatctttg gtctggaatt catccttggg 60
tctgaagagc tatggccgct gctactgggt tttaccatcc ttcctgctat cctacaaagt 120
gcagcccttc cattttgccc tgaaagtccc agatttttgc tcattaacag aaaagaagag 180
gagaatgcta agcagatcct ccagcggttg tggggcacc accatgtatc ccaagacatc 240
caggagatga aagatgagag tgcaaggatg tcacaagaaa agcaagtcac cgtgctggag 300
ctcttttaga tgtccagcta ccgacagccc atcatcattt ccattgtgct ccagctctct 360
cagcagctct ctgggatcaa tgctgtgttc tattactcaa caggaatctt caaggatgca 420
ggtgttcaag agcccatcta tgccaccatc ggcgcgggtg tggttaatac tatcttact 480
gtagtttctc tatttctggt ggaaagggca ggaagaagga ctctgcatat gataggccag 540
aatgtgcttg ccatagggtg acttacnaan agttgcgatg tggggccgga tcttatgcat 600
ga 602

```

<210> 1273

<211> 539

<212> DNA
<213> Homo sapiens

<400> 1273

```
ccatcaagct gctggagtat gagccacgct caggggagca ggtacccctt ctcctaaaga 60
tgaagaggag caaactggca ctaagcaagg ccatcgagag cggggacact gacctggtgt 120
tcacggtggt gctgcacctg aagaacgagc tgaaccgagg agattttttc atgacccttc 180
ggaatcagcc catggccctc agcttgtacc gacagttctg taagcatcag gagctagaga 240
cgctgaagga cttttacaat caggatgaca atcaccagga attgggcagc ttccacatcc 300
gagccagcta tgctgcagaa gagcgtattg aggggcgagt agcagctctg cagacagccg 360
ccgatgcctt ctacaaggcc aagaatgagt ttgcagccaa ggctacagag gatcaaatgc 420
ggctcctacg gctgcagcgg cgcctagaag acgagctggg gggccagttc ctagacctgt 480
ctctacatga cacagttacc accctcattc ttggcgggtca caacaagcgt gcagagcag 539
```

<210> 1274

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1274

```
cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aatttctctt cttcctgtta 180
ttggtagttc tgaacgttag atattttttt tccatggggg caaaagggtac ctaagtatat 240
gattgcgagt ggaaaaatag gggacagaaa tcagggtattg gcagtttttc cattttcatt 300
tgtgtgtgaa tttttaatat aaatgcggag acgtaaagca ttaatgcaag ttaaaatgtt 360
tcagtgaaca agtttcagcg gttcaacttt ataataatta taaataaacc tgttaaattt 420
ttctggacaa tgccagcatt tggatttttt t 451
```

<210> 1275

<211> 240

<212> DNA

<213> Homo sapiens

<400> 1275

```
aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgactcctt gttgaatggc ttttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
```

<210> 1276

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1276

```
cctgatgcct cgatacagct agatgtacaa aaatatatca ttcaaagtca tgaaaaccat 60
catcatattg gtgtgacctc cttcctcccc ttgggcacag cttttgcaac tacctccttt 120
gaaatctggg agttgggtggg gcaagggtca cttcttggca gcttcttctt gggcagccaa 180
atctgcctcc ttctgagcag ccaggaagat ggctcgttcc ttctggaaag ctgcaagctc 240
ttctgaactg aggtccttca ccacgcgaat gccagagaaa cgggcagacc cgatgatgga 300
gcggaacaac gacgacaggg gtacatcctg cagggcaaat gcctcatcct gagctttgat 360
gcgggcaatc tcatacacat gcttcaaggt caccagg 397
```

0920300-03401

<210> 1277
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1277
 cctgaatatt ttgcttaaca gactgttggg gattttcatta tatgcagagc agcctgcaaa 60
 aggagaggtg tgaagcgaag atgtccgaaa actggctgtt gttcatgaat ctgaaggatt 120
 gttgggggtac atttactgtg atttttttca gcgagcagac aaaccacatc aggattgcca 180
 tttcactatc cgtggaggca gactaaagga agatggagac tatcaactcc cagttgtagt 240
 tcttatgctg aatcttcccc gttcctcaag gagttctcca actttgctaa ctcttgccat 300
 gatggaaaat cttttccatg aaatgggaca tgccatgcat tcaatgctag gacgtactcg 360
 ttaccaacac g 371

<210> 1278
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1278
 ccagaatggg ctggatctcc tgacctcgtg atctgcccgc ctgggcctcc caaagtgctg 60
 ggattaccgg tgtgagccac cgca 84

<210> 1279
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 1279
 ctgaaggagc cggggagcag aaagtatatg tgtcagggtat gaggaagaaa atagattttg 60
 gaagttatga gaaatgtaga gagtgagttg agcatagttt gtgattttta gggcctctaa 120
 cagtacaaa gcagcggcag ccgctgcacg cagacatgag ggctaggcta aaacagtaag 180
 gtcaagttgt ttggacagaa aggtacaggt gtgcggtcct ggctcttggt taagaatttt 240
 gaccgcacta accatgccta ggaaggaaag gagttgttgt tttgtagaag gtgctggggg 300
 ttgagagatc agttggccac gattggcagg gagagcacgt gtgtttttat gagaattatg 360
 ccaagatagg taacagatg 379

<210> 1280
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 52, 197, 239, 328, 416
 <223> n = A,T,C or G

<400> 1280
 tttttttttt tttttttttt ttigaaanac aggctatttt atttcaaaaa anaaaaaaaa 60
 gtgggctctg ggaacagggt tagtccattc gggccttcag tgtcctgggt gtgattttgt 120
 ccttctcgat gatgtggaca atgactccca tgcctgacac tgcattcccg tccacagcat 180
 tcagcatggc ttggganatg gtttcaaaca ggtgatccgg atccatgttg ggctccana 240
 gggactcaca cattccgtac atttgttcgg cgcagggtgcc actgaccaca aagtcacag 300

tcaccatggg gcagccgatg aggtctanag agcaaatgaa gggcttaaag gtcttcgggt 360
 ccaacccggc aatgactggc tcagtgtagt aagggccaaa ccgtttctca tacaanaggt 420
 tgg 423

<210> 1281
 <211> 162
 <212> DNA
 <213> Homo sapiens

<400> 1281
 ctgaaatttg tccttacagt cgagtccact gtagccaaat gcacactttt ggcagttccc 60
 attagcatct tcctggttagc cgggcacgca cgcacactca ggggccccac cactcttctt 120
 tattaagcat tgcttgtgct gtgcgttgca ggcacagga ca 162

<210> 1282
 <211> 206
 <212> DNA
 <213> Homo sapiens

<400> 1282
 aaaacagaag cttatatata acttagaatc taaaaccaat agatttatgg taaaccttaa 60
 gactgaacca aaacaaacaa aaaccaaagt tttaatcatt taaaaatcat gtttattgag 120
 gtacaactta tagtaaaacc tgcccttttc agcgtatagc actgagtctt gacaaatgca 180
 cagttatgta ccaccaccga ccaagg 206

<210> 1283
 <211> 135
 <212> DNA
 <213> Homo sapiens

<400> 1283
 ctgcggttaa tccagcttgg gcctgtctgc actgcgatcc tcttgggctc tcctaggatc 60
 ccccatgcc ccgtaagagg tggaagacgc ttccctccag gacagcaggc tttgagtcca 120
 gcaccccgag ctgcc 135

<210> 1284
 <211> 432
 <212> DNA
 <213> Homo sapiens

<400> 1284
 aaaggatcac atgcgtgaag caggtgatgt atgttatgct gatgtttacc gagatggcac 60
 tgggtgtcgtg gagtttgtac ggaaagaaga tatgacctat gcagttcgaa aactggataa 120
 cactaagttt agatctaatt agggagaaac tgcctacatc cgggttaaag ttgatgggcc 180
 cagaagtcca agttatggaa gatctcgatc tcgaagccgt agtcgtagca gaagccgtag 240
 cagaagcaac agcaggagtc gcagttactc cccaaggaga agcagaggat caccacgcta 300
 ttctccccgt catagcagat ctgcctctcg tacataagat gattggtgac actttttgta 360
 gaacccatgt tgtatacagt ttccctttat tcagtacaat cttttcattt ttttaattcaa 420
 actgttttgt tc 432

<210> 1285
 <211> 153
 <212> DNA
 <213> Homo sapiens

05920300 "073104

<400> 1285

ctggtccttg cctgggagaa ctttgtggaa ggaaaaggta agattcctta agtccaagga 60
 gagaaccaat ccagggtcaa atttcttttc attccctgga tcacaacaca ccagggaaga 120
 gaggagtcaa gaatgtctct cctgcccagt gct 153

<210> 1286

<211> 188

<212> DNA

<213> Homo sapiens

<400> 1286

cctgggcccc ggtcacgtcg ccaaccatct tcctgtccct agacttcacg gagtaggcga 60
 atgctatgaa gccagacag caccagttca agaagagggt gttgaacagg gaccagacga 120
 catggtcggg cacggagggtc tcgctgtgga tgttgatcac ggtggacctt ggaaggatgg 180
 tgctgggg 188

<210> 1287

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1287

aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
 tgtaggtgaa aaggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
 gtcacctgga tcaatgatag ccagtgtgca cactctgtag tattttccgc atgctgtgcc 180
 cagttcaata ttattgccac tgtagtgtg gacaccagtt ttagccaaca tagcatagta 240
 ctctatttca gatttcttca aagctgggca gttgttagcg agaatgacca atttcgcttt 300
 gccttgtctg atcatcttca gagtctgctt gtaccccagg acgtacttcc cacttttcat 360
 aacgagttgg agcctagagt tgatcgactc cagcgacttt ttcgtcttct ttgcggccac 420
 catcttctcg ccttagga 438

<210> 1288

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1288

ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
 cgagctgcca gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccatca 120
 cttttccttt tatagatgta ctgttccatc tggaagtcaa gattgggtgcc acctaaagtgg 180
 gttcctgtcg caaggaactt aaggacatcc tcctccttca tttgcaggac atcaagggtct 240
 ccggacattg tgaaaatttc cctttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
 acccctctgc ag 312

<210> 1289

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1289

ccacaaaaca ccaaagaatt gtaggcagtg gccctattg agaagttttc cggtagagtt 60
 ggaaatcagt tgtgaataca ttctttgcta gttggagtgc ttgtttacta agcatgtgcc 120
 gtcgtaggta ttagtgctag tctcaaata gtccttcccc tgagggtgcag gggaagacca 180

09920300.073404

aagttttgcaa ctcgaaactgc tttcgtccat gtttctcaca ttgctgtatt tt 232

<210> 1290
 <211> 93
 <212> DNA
 <213> Homo sapiens

<400> 1290
 ctggcagggc atcatgtcag gccaccaaat ccatccagaa ctaacatgca gtctctaatt 60
 tggagactct ttattgtgac caaaagattt gga 93

<210> 1291
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 472
 <223> n = A,T,C or G

<400> 1291
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgtag aagaaacatt tgcgtatag 240
 aatgatttgt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
 aagggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aggagatatc an 472

<210> 1292
 <211> 69
 <212> DNA
 <213> Homo sapiens

<400> 1292
 ccagacctga ggcccacaga cctgggtcccc acaaccagga ttctacaat gtacacattc 60
 ctaattcag 69

<210> 1293
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1293
 gggaaactcc gaggacagag ggctaaatcc atgaagtttg tggatggcct gatgatccac 60
 agcggagacc ctgttaacta ctacgttgac actgctgtgc gccacgtgtt gctcagacag 120
 ggtgtgctgg gcatcaagggt gaagatcatg ctgccctggg acccaactgg taagattggc 180
 cctaagaagc ccctgcctga ccacgtgagc attgtggaac ccaaagatga gatactgccc 240
 accaccccca tctcagaaca gaagggtggg aagccagagc cgctgccat gcccagcca 300
 gtccccacag cataacaggg tctccttggc ag 332

<210> 1294

05920300 "073404

<211> 207
 <212> DNA
 <213> Homo sapiens

<400> 1294
 cagattgtgt acatagagca atgttgggtt tttataaagt ctaagcaaga tgttttgtat 60
 aaaatctgaa ttttgcaatg tatttagcta cagcttgttt aacggcagtg tcattcccct 120
 ttgcactgta atgaggaaaa aatgggtataa aaggttgcc aattgctgca tatttgtgcc 180
 gtaattatgt accatgaata tttattt 207

<210> 1295
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1295
 ccaccacttg taccgatat ggacttccgg cttctctgtc caatggagcc aactaaaga 60
 tctcaccagt cagtggtca attttaagcc aacctctgt gtctccctc agtgaatagc 120
 ttatgtccag accttctgga tccttggcag tcacattgcc cactttagt cctatagcta 180
 catcctcact gactttcgt tgggaatacgt gttgggaaa ttgaggtgct tcattcacat 240
 ctgtcacaat aagcgtgaac ttggcaaaag aacttgcatt gtacttcaca ccaaacta 300
 gaggtcagg attttctgt ttgaacacaa tgttggaac ag 342

<210> 1296
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1296
 ccaatgtggt tggctctcag cttgcagtta gccaggttcc ataccttgac cagcttgtcc 60
 cagccacagg agacgatgat agg 83

<210> 1297
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 1297
 gacaagcaca ccctgagcaa gaaggagctg aaggagctga tccagaagga gctcaccatt 60
 ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg aagacttgga ccggaacaag 120
 gaccaggagg tgaacttcca ggagtat 147

<210> 1298
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1298
 ctggtctaaa agagtatctg tgcattcctc acagagtggg tgatccacat ctgtctggcc 60
 cgacatgatg tcaaaaaggc cccagtgac ctggaagtgt gggagagtca gggtagggcc 120
 tccccatgc ttctgtctca attaccact ctcccagcca ggctactgc ttgccaccgg 180
 aatggggccg gcttgcttc agtcttcggc tgaggttctc catggtgccg ccatcagatg 240
 cctccccaat cagagtgaag ctgttggcac tttctgtgga catcatctg cagacagccc 300
 cccgccacg ggccacatga gggaacagag aggcttcctc cacctactac aatgccagtg 360

00920300.073101

381

<211> 396

<212> DNA

<213> Homo sapiens

<400> 1299.

ctgctgcctg	tggcgtgtgt	gggctggatc	ccttgaaggc	tgagtttttg	agggcagaaa	60
gctagctatg	ggtagccagg	tgttacaaag	gtgctgctcc	ttctccaacc	cctacttggg	120
ttccctcacc	ccaagcctca	tgttcatacc	agccagtggg	ttcagcagaa	cgcgtgacac	180
cttatcacct	ccctccttgg	gtgagctctg	aacaccagct	ttggcccttc	cacagtaagg	240
ctgctacatc	aggggcaacc	ctggctctat	catttttcct	ttttgccaaa	aggaccagta	300
gcataggtga	gccctgagca	ctaaaaggag	gggtccctga	agctttccca	ctatagtgtg	360
gagttctgtc	cctgggggtg	gtacagcagc	cttggg			396

<211> 577

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ 469, $\bar{474}$, 475, 524

<223> n = A, T, C or G

<400> 1300

cctgtaatta	gattgtttagc	tcttcgtggc	tcttcaatgt	cttttgaaca	tgtggggagat	60
acttaataaa	aagcatagct	ctaggacact	ataaaaattg	ctaattactc	cccttgggaat	120
aaagacataa	gaacatttgc	ttaagattta	atatgtttata	tataggcttg	ggcatacagc	180
agtgaggggt	ggggagattt	tgaaaagttc	tggtttgtca	tttatgtagc	tggtagtttt	240
gttttgaacc	tgttatgagc	aaccaccgga	ataatctgtt	ccccatagaa	actgaacctta	300
aacttcaaat	ttttattatc	taagctataa	taataggcgg	agtcgatctg	gaacatacag	360
ctcgagatca	agaagcaggt	ccgcagtcac	cagtgaagac	cctcgaagac	atcataatca	420
tggttctcct	caccttaagg	ccaagcatac	cagagatgat	tlaaaaagnt	caannagaca	480
tggtcataaa	aggaaaaaat	ctcgttctcg	atctcagagc	aagnctcggg	atcactcaga	540
tgcaqccaaq	aaacacaggc	atgaaagggg	acatcat			577

<210> 1301

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1301

cctcatagat	gccatcaagc	ctttcctcga	ctattatgac	ctgggtggatg	gggtctccta	60
ccagaaagcc	atgttcatat	ttctcagcaa	tgctggagca	gaaaggatca	cagatgtggc	120
tttggatttc	tggaggagtg	gaaagcagag	ggaagacatc	aagctcaaag	acattgaaca	180
cgcgttgtct	gtgtcggttt	tcaataacaa	gaacagtggc	ttctggcaca	gcagcttaat	240
tgaccggaac	ctcattgatt	attttgttcc	cttctctccc	ttggaataca	aacacctaaa	300
aatgtgtatc	cgagtggaaa	tgcagtcccg	aggctatgaa	attgatgaag	acattgtaag	360
cagagtggct	gaggagatga	catttttccc	caaagaggag	agagttttct	cagataaagg	420
ctgcaaaacg	gtgttcacca	agttagatta	ttactacgat	gattgacagt	catgattggc	480
agccggaqtc	actgcctgga	gttgaaaaag	aaacaacact	cagtccttcc	aca	533

<210> 1302
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1302
 aaatattaac gcacactttt tttttattat attaaaaatca ggcaatgggc tgacaataaa 60
 aaggctgctt atggaatact gttatgttaa acttcactta caggatgtta aatccttaga 120
 actaagggtt tccccccaga aaaagattaa tggaaacatc aattgctttt cagacttgat 180
 agttgctgct tcaaaagggtg gttttacaca aataactaaat taaaaaaaaa aa 232

<210> 1303
 <211> 422
 <212> DNA
 <213> Homo sapiens

<400> 1303
 gttattttaag gaggaaaaaa tattaaattht tgaattgagt gtgtaggctc cctatcatta 60
 tatatagagt ttctttttcc acggtagtca gtgacttaac ctgaattgta aatgtttgta 120
 aagggttaat tgtcctacat caaacttagt taaataattc catccactta tggaggagga 180
 ggagaatgtg gaagaggtaa aaagctgggc acaagttcat atgcctatga gtcagtaaag 240
 actgaagtaa tgtcctatgt tgagctgggt attttgatat atgataataa ttatctttga 300
 agtagaaca ttctgttaac tggaaaatca caggatatat ccatcatatt ttccaggaca 360
 gatagttttt actgtggggc aaatagggtt aaattacact atgttaggtg catttaggtt 420
 tt 422

<210> 1304
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 454
 <223> n = A,T,C or G

<400> 1304
 ccactggagt ttatttggtt gctgacggct tgactgaact ggacaagggt cccattaggc 60
 aactgcactg caccattcac ggtgctatct atgctgggtt cctctttcaa gtccacgctg 120
 ggaagcctct ctctctggag ctctctccaa atctccaagt ttgaatgaga ctgttctctc 180
 ctccaccaca gcctggaggg gcacagtggc aggccttacc tcagaaacag gatgcttggt 240
 ttcaatatca ccaacagaca actttgtttc ttcatgggtc tctttcaagc tattcttttt 300
 ttccattaaagg gggctttcag aaggactaca ctttatttct cgttcaattt ttctcttcat 360
 cctgggacat acaaagaacc agacgataag ggcacagaaa actgcacatc ccaccgagat 420
 gaggatggta cccacagag gaagtttgtc aaancccagc actaggagat aaaatggtgc 480
 atcttgaaaa cccca 495

<210> 1305
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 1305
 tggggctgct cttgatataca gtgtgaaggg gcctgccttt aatatggcat ctcttgagtc 60

05920300 "073104

```

agattttggc atcaacttga agggcccaaa aatcaaagga ggtgcggatg tttcaggggg 120
tgtcagtgcc ccagacatca gccttgggtga agggcatttg agtgttaaag gttccggggg 180
tgagtgggaag ggaccccaag tctcctctgc tctcaacttg gacacatcta agtttgctgg 240
gggccttcat ttctcaggac caaagggtgga aggaggtgtg aaaggaggtc agattggact 300
ccaggctcct gggctgagtg tgtctggggc tcaagg 336

```

```

<210> 1306
<211> 101
<212> DNA
<213> Homo sapiens

```

```

<400> 1306
ctggtgcggc ccggtgtggc ccagcccag gacaccgtgc agttccggat ccccatggaa 60
atgacaaggg tggacctcag gaattacctc gagggcattct a 101

```

```

<210> 1307
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<400> 1307
ctggagaccg acaggatttg ccatgcattt gcatcttgct agagtttggt ttttatgaaa 60
gggcctatct tttttaagtt ggcatatctt gaggtgaaac actcacccta ccaaatatac 120
ttaagttgca actctaaaag cataaggaca ttttcaaatt ttctcttctt caactgagaa 180
aatgaatgtg ccagggtgaca tattatatac ttgtacttgc atacacatag aaatatatca 240
ctgtgcaaat tcgtccttga ctttataact gaatttcacc tcaaattata cattaatttg 300
cagaacaaaa tattaggaat gggcacaaaat ctgtggttcc tgatttttgt cattttcaat 360
ttctgtagg 369

```

```

<210> 1308
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 120
<223> n = A,T,C or G

```

```

<400> 1308
cctttctcca ccaaggaaaa aacgagaaga ccccaaaacc aggagagact ctgtggactc 60
caagtcttct gcctcctcct ctccaaaaag accatcggtg gaaagatcaa acagcagcan 120
atcaaaagcg gagagcccca aaaca 145

```

```

<210> 1309
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 492
<223> n = A,T,C or G

```

<400> 1309

```

ccacggggac tgttattcgc aagctgggtt tctagacctg ttagctggaa gcatggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtc tctccaccac acagggtacag 120
cagcgctttc tggtagtcgc ccttagtgct ttgctggata taatagtaca gggacttgcc 180
gtactttctc ttgaattcag acctaat tttt caacatgtcc acttcactgc gggagaccat 240
gattctgac aggaccttat ctgcgcgcc cttgcccttc atggagtcac acagccgatc 300
agcaaaatac aggggcttgt tctgaatgca ctgaaccagg ttcaggaaag cattttccag 360
gtctccttta acctctttcc tgatgctttc caacatgtca taagggtgt aactcttgta 420
cctatcaaat actttctgga ggtggggcac gctccgctcg gtcacatgatc tgatccactt 480
gggaacatca gntcctttcc tcttcactcc agcg 514

```

<210> 1310

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1310

```

aaaattacat ttgtagaagt cacacaacag aaagatacca tgcggttgaa cagtgtgcct 60
gtacttgaac aagttagaga agatacatac tccaaaaagg agattcagtc tagtggtact 120
tcagttattc acatagtgtc tacagggcag aatctcttcc aaagcaattt ttctgttcac 180
taatctacag gcaactaatg 199

```

<210> 1311

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 95

<223> n = A,T,C or G

<400> 1311

```

ccaccttctc actgtgttct cacagggtct ttcttctgtg cctgtccctc gcagcagttct 60
ctcccggtc tcttttgaag gagattggag tgcanaattg gctagtctga ggtttcagtg 120
tgcaagacgt agtcagatgg ctacacattg gaaccctggg agtaatgttt tattctttgt 180
ccgatggcat tgggcgggtt gaccagcct gcagtcagga ttctcttgta ccgttcaccc 240
gggagttcag aatcgcactc tggctgaaag ttcagcaaga gcaccattgt cagcctgact 300
gccctgt 307

```

<210> 1312

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1312

```

aaagacatgc caatttgaaa aggcatacaa gtaaaaaaat aaaagcaaact gctaaaaact 60
actttacaat aaaaaaatta aataatcggc aggttaaattg aatgtaaaat gaggaatgta 120
cagtgaataa caaactaata taaagcattc cagttgataa aaacctctc aggcattatgg 180
tctgttttcc aaggaaatta tgtttcaatg taaagtttga aatactccag acatacatc 240
catgtagggt ttgggtgcca atgttaaaat ttcaaatttt gcatgcaagg cttagcaaag 300
aaacactggc agaattccag catttgcaaa attctaagtt ttgggtgaata ttgtaaatat 360
tacaattggg attagaaagc catgatgaat ccagaattaa gagaaaaccc atttcataaa 420
tattttgttt gattaaaaaa taccaggctt accatgttct aaataactca agaaaatatc 480

```

092030010310
 T0T020"0002660

483

```

<400> 1313
aaaataggtt gttggagcct tcctcaaagg gtatgggtcat ctgttggttaa attatgttct 60
taactgtaac cagttttttt ttattttatct ctttaatctt tttttattat taaaagcaag 120
tttctttgta ttctcacc ctagatttgta taaatgcctt tttgtccatc ccttttttct 180
ttgttgtttt tgttgaaaac aaactggaaa cttgtttctt tttttgtata aatgagagat 240
tgcaaagtga gtgtatcact gagtcatttg cagtgttttc tgccacagac ctttgggctg 300
ccttatattg tgtgtgtgtg ggtgtgtgtg tgttttgaca caaaaacaat gcaagcatgt 360
gtcatccata tttctctgca tcttctcttg gagtgaggga ggctacctgg aggggatcag 420
cccactgaca qaccttaatc ttaattactg ctgtggctag agagtttgag g 471

```

```
<220>  
<221> misc_feature  
<222> 160  
<223> n = A,T,C or G
```

400 1314						
aaaaaaactt	ccatgccctt	ccattcccct	ccctccaaac	taggtattgt	ccaagttgta	60
tcaaatgcc	caaagtctac	catgcaccca	gaagcacaga	agacagtagg	tccagaggac	120
aaggtatgct	ggggctacta	ctcgcactgc	agagtcacn	cgagttaaact	catgctgggg	180
qcaaaqaatg	qaaagaqcta	atacacagac	aaaqcaaaaq	aacgaaatgc	gcagcct	237

```
<210> 1315
<211> 312
<212> DNA
<213> Homo sapiens
```

```
<400> 1315
aaaaaaaaa aagtcaccag caagtagtcc cgggtgggag gtgggagcag aataaaaaaa 60
aatctgcaat gattcctaata tgtttttcaa tacagaagct tgggaagggg tttctgccag 120
tttcatgagg aaggcacaaac ttccaggtag tgttggggaa gggatgagg tcctatgcag 180
gctggcctct tatccacag atgccaaagat gatgtctact ggcagctcct ccaaacttct 240
ggctgtcacc tgcattgtca ctgtgtccaa aagcagcagc cgggagcgca ccaggatgtc 300
atgaccaccc cq                                     312
```

```
<210> 1316
<211> 425
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 26, 42, 73, 98, 110, 173, 186, 206, 214, 230, 243, 266, 276,
```


287, 317, 335, 337, 360, 418

<223> n = A,T,C or G

<400> 1316

```
gcaacctcca cctcccggt tcaagngatt ctctgtctc ancctcctga gtagctggga 60
tcacaggcgt gcnccacccat acccggtctaa tttttgtntt ttcagtaaan acgggggtttc 120
accatgttgg tcaggctggt ctacattcc tgacctcatg atccacccac ctnagcctcc 180
caaagngctg ggattacagg catganccac cgcncctggc ctgtttacan actttacaaa 240
canattttgt ttacaagctt tacacncacg gttcanttgc agttagncta tattatgctg 300
ggcccaaaac aaatgtnttt tttttttttt ccagnngggc ccaaggaacc caaaatttan 360
acaaccctgc tctaaagggt ttgattcatg tttccactgg gttatgctta ttgcctgnaa 420
ttcca 425
```

<210> 1317

<211> 172

<212> DNA

<213> Homo sapiens

<400> 1317

```
aaaaagatct gcttttatac agaaattgaa ggatgccata ttatgagtgc ttttaagattt 60
tattctactg acttctaaaa ctgttaatat atcttttttt aaataaaaaa aaaagtttgc 120
tgtctttttt aaaaagcaat cctcaaactc tctagccaca gcagtaatta ag 172
```

<210> 1318

<211> 135

<212> DNA

<213> Homo sapiens

<400> 1318

```
cctagagagc tagagaagca agtaagggcc agggccagag tcggcttcaa tggaacaaca 60
gccagtgcc ctaaggcccc taactcttgc tggctgtttc ttgaccccaa gccagggttg 120
ggagtcctct gggca 135
```

<210> 1319

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1319

```
ctgcttcaag acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
ctgaatttcc tccagggaaa gatccttctt ctttggaggg gaaaggggga attctggaac 120
agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcctgagg cacgcttctc 180
cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgcc 294
```

<210> 1320

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1320

```
ctgcctaagt agaggacaaa gactttctcc tttcaaagga gaactgagtc caggattggg 60
aagttaaagg cacttaacct tgaccagctc tgtaggctct gagcattctg gtccctggcc 120
gcttt 125
```

05520300.073101

<210> 1321
 <211> 186
 <212> DNA
 <213> Homo sapiens

<400> 1321
 ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctgggcaga 60
 gagctgatgg atatcccatt tgggtcccgac aagatgacat agatttgcaa aaagatgatg 120
 aggataccag agaggcattg gtcaaaaaat ttgggtgctca gaatgtagct cggaggattg 180
 aatttc 186

<210> 1322
 <211> 84
 <212> DNA
 <213> Homo sapiens

<400> 1322
 cttgacgttg acaatcgagt agtactcccg attgaagccc ccattcgtat aataattaca 60
 tcacaagacg tcttgcactc atga 84

<210> 1323
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 1323
 tgcagcagac cgtaaccatt atagacgcta tccacgtcgt aggggtcctc cacgcaatta 60
 ccagcaaaat taccagaata gtgagagtgg ggaaaag 97

<210> 1324
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1324
 aaaattacat cagcttttgtt atcctggtag tctcggagac caacccaaaat aatgtccgag 60
 gtattttatcc aaaccttttt tctcaatttt cctctgatgt gacataacct ctttacacca 120
 tcgaaacaca ttgcttctag cgttccattt cccaacattt tgattacctg agcatactcc 180
 tgaccatctt ctttgaatac cagttctctt ttttcagatt cattctcatt cttacccttg 240
 cgtctgtttt tacctccttt acctttatc ttgggcatgg cgggtggcggc gacctcgcgg 300
 cgtctctgac ttctttccgg gtacggcgga ccgcggcggc tgctgctccg aggggcgaca 360
 cgagggagcg cgcgggacca agtaggtgct ggaggccagg caacgtgcgc gggagaggct 420
 ggcgacccag ctcttca 437

<210> 1325
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 498
 <223> n = A,T,C or G

05920300.073104

<400> 1325

```

ccacttctgt aaaatccaaa ccactccgaa tctacagggt ccacaatgga atcattgagg 60
aatttcacca tcacaaactt cttcagggcc atcagggttt tcttgtagga ctcattgata 120
ccccgtcctt gatttatatc tgccaagaag atgctgtggt tgcgatacac atcctccttt 180
atgggggtcat gccagtattc ggcttgcacg aggcgttcct gaacaacttt ggagtacgcc 240
ccagcattca gtgtttttcg gatgaagtca cagatgtgag agctctctcc tgggcatcga 300
gggagtccaa aaacaccttg atgttgtccc ccaaccgaga tcagattgat catgggagggt 360
gaagggcatc tctgagccac tgccctcaga aattggcctc cctgggagaa tcccatagca 420
ttgtagcctt gctgcaattt aggatcctta gcaagtgcct gacacactgt tgttacttgg 480
gaattgacat tcaagaanaa gctgttctcc acgtcctcca tcagggt 527

```

<210> 1326

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1326

```

ctgcagccgc agcctgtggc tgtgcagggc cccgagccgg cccgggtcga gaaaatattt 60
acaccagcag ctccagttca taccaataaa gaagatcctg ctacccaaac taatttggga 120
tttatccatg catttgtcgc tgccatatca gttattattg tatctgaatt gggtgataag 180
acatttttta tagcagccat catggcaatg cgctataacc gcctgaccgt gctggctggt 240
gcaatgcttg ccttgggact aatgacatgc ttgtcagttt tgtttggtta tgccaccaca 300
gtcatcccca gggctctatac atactatggt 330

```

<210> 1327

<211> 512

<212> DNA

<213> Homo sapiens

<400> 1327

```

ccactaaaat tcatattgag attatcttgg tttcttgga gagataggaa tgagtcttta 60
tctagtgttg caggccagca aatacagagg tggtttaatc aaacagctct agtatgaagc 120
aagagtaaag actaaggttt cgagagcatt cctactcaca taagtgaaga aatctgtcag 180
ataggaatct aaatatattat agtgagattg tgaaagcaac cttaaagttt tgaagaagac 240
tgatgagact aggtgctttg cttcctttca tcaggatatc ttctgtggca tttgagaaca 300
gaaaccaaga aacatggtta ttactaaatt atgaggcttt gctttttggt tgcttttaag 360
tagaaaaaca tgttggcaac attgagtttt ggagttgatt gagataatat gacttaacta 420
gttttgtcat tccatttggt aaagatacag tcaccaagaa tgttttgagt tttttgaaag 480
acccaattt aagccttgct tatttttacc tg 512

```

<210> 1328

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1328

```

ggcggtcggg accctgtaca cgtatcctga aaactggagg gccttcaagg ctctcatcgc 60
tgctcagtag agcggggctc aggtccgcgt gctctccgca ccacccact tccattttgg 120

```

<210> 1329

<211> 309

<212> DNA

05920300.073104

<213> Homo sapiens

<400> 1329

```

aaaaatctga aatagtaaata taaatataaa aatgtaaact ctgaaaggag agaaaataag 60
aataaatatg tgtaaaggta atgcattaag atacaaagga tctcacagag gttaatatatt 120
tacaacacta aaaaaaata aaatgctcta tatattttct tagttgggac attttgtttc 180
aatttaattt ttggttatgt taacaaaaat tacctctaaa gaggatgta aaaaaatagc 240
aatgacgta ccatcttaac taatgaatat cctatcacc taattttttc taaaagaaat 300
ggatttttt 309

```

<210> 1330

<211> 221

<212> DNA

<213> Homo sapiens

<400> 1330

```

ctgttgcaat caaggccatg gcaaaataac tggctcccag ggtggcggtg gtggcagcag 60
tgatcctctg aacctgcaga ggccccctcc ccgagcctgg cctggctctg gcccggtcct 120
aagctggact cctcctacac aatttatatt acgttttatt ttggttttcc ccacccccctc 180
aatctgtcgg ggagccccctg cccttcacct agctcccttg g 221

```

<210> 1331

<211> 103

<212> DNA

<213> Homo sapiens

<400> 1331

```

cctgttagaa aagcaccac ccaagcctcc tggcatcagc taagccattg gcattgtcgc 60
cattcccaca gggacatccg cagaccatcg tgagataagg ctg 103

```

<210> 1332

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1332

```

agaatttcag agctgaagat tttagaagca aagcaaacac attctggata cacgtgagat 60
ccaagtgggtg actgtgctac tgagaagctg aacgaaatgg aaagcaaagc ctgttggagc 120
tgagggtcaaa gaatgtgaag ccagagtggg tactgaatgg gaaagttaat aacaaggatg 180
tggaagctat tgaggagacg gagtgcgcct aaagagctgc taagccacac atctcttgag 240
accagaagc tcgatctgat gactgaagtg tctgagctga agctcaagct ggttggcatg 300
gagaaggagc agagagagca ggaggagaag cggagaaaag cagaggagtt actgcaagag 360
ctcaggcacc tcaaaatcaa agtggaagag ttggaaaatg aaaggaatca gtatgaatgg 420
aagctaaagg ccaactaaggc tgaagtcgcc cag 453

```

<210> 1333

<211> 174

<212> DNA

<213> Homo sapiens

<400> 1333

```

cggccgaggt aaagtagtgt tccgtgggtg ggaagcctca cctcccaaga ccagagtcag 60
ttggagctgg ttgttggttg aaggagtggt gttggggaac tgggggtggg gcaggagat 120
ccccccgctc tgctggcggt cctaggtgga gaagaactgc acttcacaga gtct 174

```

05900300-03104

<210> 1334
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1334
 cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tggcgccttc tggacaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcccc agcccctcac cctgagatgg 120
 gagccgtctt cccagccac catcccatc gtgggcatca ttgctggcct gggtctcttt 180
 ggagctgtga tcgctggagc tgtggtcgct gctgtgatgt ggaggaggaa gagctcagat 240
 agaaaaggag ggagctactc tcaggtgca agcagtgaca gtgccaggag ctctgatatg 300
 tctctcacag cttgtaaagt gtgagacag 329

<210> 1335
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 458
 <223> n = A,T,C or G

<400> 1335
 ctgccactat gtggtcagtt tctaccttcc tgccgtcttt cagcttgata agtaacttgc 60
 cactgctgac tccaacggat tgcacaatag cattgggcat caccttaacc ccctctcgtc 120
 tgactttttc catggtccag ttgctgaggt attcggggag gatctttccc atatttcctt 180
 tctcggggaa gagttgaatc acttctgtgc ccaaggctcg agcctttctg ccaagagcac 240
 aggccagttc gctaccaagg aagccccac cgataatcgt aattgatttg acttcccgtg 300
 aaatcttctc caagcttcta aagtctccaa tctttctgaa aagcgttggt ctactcttca 360
 cctctgctcc agccctatca atggcagaca gacttcttgg agtacctcct gttgcaatca 420
 agcacttttc ataggttatt tgagagccat cattaagntt caccatgttg tctctcacat 480
 ccag 484

<210> 1336
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 542
 <223> n = A,T,C or G

<400> 1336
 tgctgggatt ggagggtgaaa aagctggcgg ttttgccccg tattatggag atgaaccaat 60
 ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 120
 agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 180
 gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 240
 caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 300
 caatcctttg aatgtttccac ggaaacactg gtggacagat tctagtgtg agaagaaaca 360
 cgtttggttt ggagagtcca tggatggtgg ttttcagttt agctacggca atcctgaact 420
 tctgaagat gtccttgatg tgcagacctg cccgggcggc cggccgggca ggtccacagt 480

09920300 "073101

```
<210> 1337
<211> 419
<212> DNA
<213> Homo sapiens
```

```
<210> 1338
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<210> 1339
<211> 527
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 435
<223> n = A,T,C or G
```

<210> 1340
<211> 348

<211> 551

<400> 1344

 $\langle 210 \rangle$ 1345

$\langle 211 \rangle$ 213

<212> DNA

<213> Homo sapiens

<400> 1345

```
ccaggctggt  ctccaactcc  tgacctcgtg  atccgcccac  gtcggcctcc  caaagtgggtg  60
ggattacagg  tgtgagccac  cgcacccagc  ttaacatctt  cttctttgac  taggtaataa  120
ctctacacag  ccaggaaagc  attcctgata  tcaaaacccc  tctgaagca  cttccagctc  180
atTTTTTctg  ttctgtcttc  agagaaagaa  atc                                     213
```

$\langle 210 \rangle$ 1346

<211> 500

<212> DNA

<213> Homo sapiens

<400> 1346

ccagagttga	ctctaggtag	tgatgtgatt	ttcttgggat	gtttttctaa	atattctttt	60
atgctaagc	acatggcgtg	atacttctgt	tgattaagct	cgtgtctact	tacagtcatc	120
tagtgagaac	ctgtgggtg	gtgagatgat	aacttgggtc	ttgggtcttc	tcatttgaac	180
tagttttggt	tttgtcttgt	cccttccttg	agcattttgt	gtgtgtttaa	tcctatttgg	240
taaacgaacc	actgtgaaag	accaagttgg	agaaaacaga	acacccccaa	aacattttatt	300
tttttttttt	agaaaatcat	ggctcactat	ggtagtatac	aatattgttt	tcacacatgt	360
acacttgaaa	ccaaatttct	aaaacttggt	tttcttaaaa	aatagttggt	gtaacattaa	420
accataacct	aatcagtggt	ttcactatgc	ttccacacta	gccagtcttc	tcacacttct	480
tctggtttca	agtctcaagg					500

<210> 1347

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1347

```
ccaccacacc gggcaaaatta ttttgtattt cttttttcag agacgggggtt tcaccatggt 60
gccagggtcg gtctcaaaact cttgggtcga agcgatccac ccacctcggc ctcccaaagt 120
gctaggatta cagatgtgag cattgtgcct ggcttagatc gccagacta tgtgtggtga 180
aaaaccactt tccttcttca aaattacaat ctttcatgga ccaacacttt t 231
```

<210> 1348

<211> 435
 <212> DNA
 <213> Homo sapiens

<400> 1348
 aaaatcttga gggattgatc tcgcctcatg acagcaagtt caatgttttt gccacctgac 60
 tgaaccactt ccaggagtgc cttgatcacc agcttaatgg tcagatcatc tgtttcaatg 120
 gcttcgtcag tatagtctt ctcagggaac tcgcgcactg acttggcacc ccgacctatg 180
 gcattggcct tccaggcatg gtatgtgccc gaggggtcag tctgatagag cctaggagtg 240
 ccatcaaagt cgaaacccac gatgagggca gagatgccaa acggcctgcg ccatttgctc 300
 cgcgtataac gctgcttcag actggcgatg tagcgggtga tgtactccac agtgaccggg 360
 tcctccacag tcagccggtg gctctggcac tccaccggg ccctgttgat gactatcctt 420
 gcatcgcgcg tgagg 435

<210> 1349
 <211> 463
 <212> DNA
 <213> Homo sapiens

<400> 1349
 caggtaaata taacaaaatg tgtaatttgt gactctaata ttaaataaga tatttgaaca 60
 agctaggaaa attgaatttc tgctgctgct tcaaagaaaa agctgcccc gagcattaaa 120
 catggggtat tgtaagaag caaatgttc ttgtttgcc tcatgtgtt cacaccacaa 180
 ttctgtgcc cagttaagag ggtctggtac ccttgcagga cctttgtagg ttgtgggaaa 240
 aagtcgcaga aagatactca aagtggagca gggaatggag acagacatca gtgatgataa 300
 aaaaaaaaaa aaatggacct taagaaacta ttactctgt aatctctaataaaaatattgga 360
 attccatatt agggcaatga ggctgaaact actggtgttt ttctgccttg agaaaacaaa 420
 cagttaaaac aagcctcaaa tgtatttttag tgccacccac tgg 463

<210> 1350
 <211> 56
 <212> DNA
 <213> Homo sapiens

<400> 1350
 ccatactggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtct 56

<210> 1351
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 509
 <223> n = A,T,C or G

<400> 1351
 ccagcctttc acatcccatg ggaaaccgcc cccccgggcc ttggagaatg ggggtccaag 60
 tgcctatccc cctttggatg taaaattcat cgttagttaa catcatccgc ccagcaacaa 120
 gcaaagcaca tcgcaagatt aaaacaaaga atccgccgtg aacagaaggc agcaaagaaa 180
 atgtggagct actgggatcc cagggtgcacc aggactctgt gaggacagca cacctgagtg 240
 atgatgatta acaccttctg gagccagctc atcagctcag agcccagggt caggagtctg 300
 ttcagtaacg cagcgggaat caatctgcac tgacaccgcg gcaggaactg aagctgcctt 360

ggcaagtgag gaaccaggag ccgtcactga gtgtggctgg gctacatcat agtcatcac 420
 ggagctacga ctttgggtac tgcggacaga cctggatagg cccagcattc gttctgaaga 480
 tcacagttca cagaagcttt tgcttcgtna aga 513

<210> 1352
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 1352
 ctgccagcac ggctagaata aagcaggcaa aagaaggctgg aaagagcaga ctggctgagt 60
 cttctggcct ccattcttct ctctgtctgg atgttcctgt cctcaaaccat cagactccaa 120
 gttcttcagc ttttggactc ttggacctac accagtgggt tgccaggggc tcttgggcct 180
 ttagccacag actaaagact acattttttt ttctggccttt cctacttttc agatgtgggg 240
 acttggactg gattccttcc tcttagatt gcagacggcc aactgtggga cttcatcttg 300
 tgattgtgtg agtcaatact tctcaataaa ctctccttca tatacatatc tgtcctatta 360
 gctctgtccc tctagagaac ctgactagta caccactaat gtttttactc atgaggaaat 420
 gtaaattgtg aacagaattc aagaatcaat gctcacaaaa aatgtaagtt aataaataat 480
 gaagttttag tagaaatatt gaatcccat taggaaagaa attattgtaa tcttggcaaa 540
 actatacacc attaa 555

<210> 1353
 <211> 310
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 223, 224
 <223> n = A,T,C or G

<400> 1353
 ctgcctatatt ccacatcttt caatccatct ggctccttaa ataggggaaa aagcccttat 60
 ttggtggaga agcatttcca aaatgaagtt acagggttcta ttaaaactta ctgtcacatc 120
 aactgttaaa atagggcctt ttgtgttttg ttatttcacc ttaatatcac cagaattcct 180
 gtaattccac aattgtgatt ttactatgta gaagataatt cannttctag tctattgctt 240
 tagatgtaaa aacagccaac ctctccgcca gactacggct tccccgaacg caaggagcgc 300
 gagatggtgg 310

<210> 1354
 <211> 522
 <212> DNA
 <213> Homo sapiens

<400> 1354
 ccacagcaca gaattttatg tgaggaactc agatttttga agacttaaca attgcagaga 60
 aaggttgcag cctgcacacc atagcccacc tctctgagca gactttgggt ttgtgtggtg 120
 acgtggcaca tgtttgtaca ctgggatttt tcaaaggacg ctacgcgagc agactgactt 180
 gcctcttctg tgagcactgt ggcttttgtc agatggagtg ccggtctgca gaggactgct 240
 ctttcgaatc cacagtgtta tctgtgtaaa tagctttaat ttttcttctg tgtcttaggt 300
 gaagttttgt tcatgtagca accaggtaga cagtgaacaa ataaggctgt aaatgtgctg 360
 tagttttcta ctgtgatgta cttgaaggag aacctgtgtc ctctactttt ctgatctccc 420
 acaagtattt tgtgtttgtt tctgagtc ccagggttatt attttactcc tgttttgccc 480
 ccagttttct ttgttttttt tctggagacc caggagggcc ca 522

09520300 "073101

<210> 1355
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 1355
 ccagcagttc ctctttgcct tatatttgtg gtacgcccgg ccagccttca agatggggtt 60
 gtcaattcgg ccacctccag ccaccacacc aaccacagct ctggttggtg aggagataac 120
 ctctttggag ccggaggggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
 aacggtggca tagttccctg atgcccgggc cag 213

<210> 1356
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 254, 342, 404, 480, 486
 <223> n = A,T,C or G

<400> 1356
 cctaagctct aggacggtga atctcggggc tatttgtgga tttgttagaa acagacattc 60
 ttttggcctt ttcttggcac tgggtgttgc ggcagggtggg cagaagtggag ccaccagtca 120
 ctgttcagtc attgccacca cagatcttca gcagaatctt ccggtaatcc cctgaagtat 180
 ctcccgagat gtcggtgtac agcgacttgc cgtttttgtac aagctttttt ttttttttt 240
 ttttttttt tagnaaatag tttattcatc cagcagtttc agccctgata ctgaagcctg 300
 ttgcggggtt tcttattttt ctggctggag cctgattatg anaacatggc ctcaccacgg 360
 ggccagcgct caaattcctg ccctgccgat catccagaca tcanaggaaa tgagagtatt 420
 gctcaaataa gggagactgg agctttatta aggaaacaaa aaataaccagt aagactagan 480
 agggngngtt aatg 494

<210> 1357
 <211> 403
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 38, 63, 68, 77, 89, 92, 102, 126, 210, 237, 293, 337
 <223> n = A,T,C or G

<400> 1357
 caagcttttt tttttttttt tttttttttt tttttngnat aaatagactt tattgaagtc 60
 agngcctntg tactganaca gaagattgng tntacataag cncaagttgt aacatttcac 120
 aacttntaaa aggaatgtca acaattacaa cgatcatgca taccatggtc gataatcaca 180
 ttttaaaagc attttcaacc atttctaaan aaatgcttat aacattgtta tatatanaac 240
 tactttcaat aaactgcaaa acattgatcg acttttccag tatgagctac agngtcaaca 300
 caaaagggag gcataaatgt ttaatttatg aaatcanaat ggaatattta ctgtaaagaa 360
 aaattaaaaa gctttcaaat aaaggccatt atcgaaccaa cgt 403

<210> 1358
 <211> 617

09920300 073101

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 578
<223> n = A,T,C or G

<400> 1358
ctgaaaatct gaaattaaaa gcatgctaga aatcctaaat gcaatctttt ggaagtctgc 60
tattaaaaag cttttaagga ttactaact tcgagtctaa gtgcaagggg acgaaagctt 120
aagcctgtca gacattcctt ttcttggaca aaaagatcaa agtttcctac aaattgctaa 180
gctttgcaca agggagaagc ctacatgtac tagtgcattg aatcagtttc atcttatttc 240
atggggactc ttctcccact ggaaagaaac agaattgagga atgaatctta attggtctct 300
tcacagaag tggtaaaactt ggtctctata ttcacgaagt cagacagttt ttttaagcaga 360
ctgtggaagc agacagaacc agcttcctgt agccacagac cactacatgg tatctaagct 420
aaagcaaaga tgaacaatta tccagattca cttgaactgt actaaagggc aagggttcacc 480
actacaaaag ggaagtgtgc taaaagcaag aattcaatta acgctgggta agaaaagtca 540
aaacactaat gagttgtcca tgaagccaac tgctaagnac gcgctcaact atacgcgaca 600
tgaagacact atgcacg 617

<210> 1359
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1359
aaaattaaaa aacgaaagaa aaaatagctg ggtgtggtgg ctacacactg taatcctagc 60
actttgggag gccaaaggcg gtggattgcc tgagctcagg agtttgagac caacctgggc 120
aacatgggtt aaacctgtgc tctactaaaa cataaaaaaa atcagccagg tgtggttagcg 180
tgcacctgta gtcccagtta cttgggaggc tgaggcaca gaattgcttg aacctgggag 240
gtagaggttg cagagatcat gccactgcac tcccagcctg ggtgacagag caagactgtc 300
tcaaaaacaa caacaacaac aacaacaaca acaaaaacaa acaaaaaaaa cctctcaaaa 360
aatgaaaaaa aaattttaat taaaaaaaaa aatgctgggt ctgatggctc acacctgtca 420
tctcagcact ttgggaagct gaggcaggca gatcacaagg tcaggagata gagaccatcc 480
tgg 483

<210> 1360
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526
<223> n = A,T,C or G

<400> 1360
gctggagccc accaagctgt cactgctgca ctactctgc aagggatcag gaccagcaac 60
ctttatattc tagattctaa gacattgtac agagaaattc agaagtgtaa aaatattgca 120
cattgacaaa taccaagaat ttttgcgtat gtttatattg tattgttcta aataatgggt 180
agcctgtgaa ataagatctt gccacccatg taataatagt agtaatacta tagttaaaat 240
ggctgtaaga atagttttat aaaagtgaat acacagatct attgtatttg aaacataact 300
ttgacaatta ttagtgtgac caaagtatta ggcggttttc atacattttt caccttgtac 360

05560300.073404

aaaattatga attcattttt cctccaggcc gacaaggagt tgtagaatga aaatgccttc 420
 taagtgttat ttgtgttggt ctaacttaca aaagtgattt tgaataagaa atatttggtg 480
 ttctttttat aaccagtttt tgatttgtaa ttgttttctg tattgntt 528

<210> 1361
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1361
 ggagcagtcc cagccttggtg cagacaatgc tgtgctttcc agtgggtctca cggcagcacg 60
 atgaagactg gaaagcgacg ggtctgttgc ggttctccca cttttccata agcagaacaa 120
 gaaccaaadc aaacgtctta acgcgtatag agagatcacg ttccgtgagc agacacaaaa 180
 cgggtggcagg ttgtggcgagc acgaactaga ccaagcgaag ggcagcccac caccgtatat 240
 caaacctcac ttccgaatgt aaaaggctca cttgcctttg gcttcctggt gacttcttcc 300
 cgaccacagaa agcatgggga atgtgaaggg tatgcagaat gttgttggtt actgttgctc 360
 cccgagcccc tcaactcgtc ccgtggccgc ctgtttttcc agcaaaccac gctaactagc 420
 tgaccacaga ctccacagtg gggggacggg cgcagtatgt ggcattggcg cagttacata 480
 ttattatttt 490

<210> 1362
 <211> 221
 <212> DNA
 <213> Homo sapiens

<400> 1362
 ccaacataga acttgatag gaaatccttt ggccttggcg cttctgtttc atggaagaac 60
 cgcataacat gtgtccgctg cttccatact ttaattgttt cttccagttc gatctttccc 120
 ttaatgacca gaagatcaac caccctgggg tctgtgacat gggcattctt cataaacatt 180
 tctcggactt tatcccgctc cattttcaca gtgatgtcca g 221

<210> 1363
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1363
 aaattctctg gatgagcaag aaggggttaa aagtggaatg tatgttgtaa tagaagttaa 60
 agttgcaact caagaaggaa aagaaataac ctgtcgaagt tatctgatga caaattacga 120
 aagtgtctcc ccatccccac agtataaaaa gattatttgc atgggtgcaa aagaaaatgg 180
 ttgtccgctg gagtatcaag agaagttaaa agcaatagaa ccaaagact atacaggaaa 240
 ggtctcagaa gaaattgaag acatcatcaa aaagggggaa acacaaactc tttagaacat 300
 aacagaatat atctaagggt attctatgtg ctaatatata atatttttaa cacttgagaa 360
 cagggatctg ggggatctcc acgtttgatc cgttttcagc agtgctctga aggagtatct 420
 tacttggtg attccttggt tttagactat aaaaagaaac tgggatagga gttagacaat 480
 tt 482

<210> 1364
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1364
 ccttgggccc agatgagcca gtacagactc cagacagagg ggccttggg gccctccaac 60

09520300 073101

ctcaggtgat gagctgagaa agatgttcac gtctaagcgt ccagtgtgca cccagcgctc 120
 catagacgcc tttgtgaact gaaaagagac tggcagagtc ccgagaagat ggggccctgg 180
 ctttccaggg agtgcagcaa gcagccggcc tgcagaccca gcctgaccaa cgatgagcat 240
 ttcttaggct cagctcttga tacggaaacg agtgtcttca ctccagccag catcatggtc 300
 ttcggtgctt cccgggcccg ggggtctgtc ggaggggaaga gaactgggccc tgacctacct 360
 gaactgactg gccctccgag gtgggtctgg gacatcctag aggccctaca tttgtccttg 420
 gataggggac cggggggggct tg 442

<210> 1365

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1365

aaagtgtgctt tgctggaagt ttttataagg aatctcaaat taaactttta gaagttaa 60
 tgacactagg aagccaaacc aaggctgact tcagactttg tttgtagtac ctgtggggtt 120
 attacctatg ggtttatata ctcaaatatc acattctagt caaagtcttg gtaataaac 180
 caatgttttc aaatgtattc tgttatacaa agagcagatt tttattgaac ttgtgcaata 240
 actatattcc catacaatat aaatattcat gaatagtttc ccaagtctgg agcgaccaca 300
 tagggagaaa atgtaaatgt ctcaattttt gttcacaaaa gtatatttta tcaaattgct 360
 gtaagctgtg gatagcttaa aagaaaaaaa gtttcctgaa atctgggaaa caag 414

<210> 1366

<211> 502

<212> DNA

<213> Homo sapiens

<400> 1366

ccagtttgtt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
 tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtcagac acagcagata 120
 ccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
 ctacactgca aaatataaat gaaactcgaa aatagaaggt aaggctctatt taaaaagtt 240
 tgttttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctccccctctc 300
 ccacaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
 tcaagttaaa actatgtggt gaaaaagaga gtgcttggtc caggtaaagg acttcaagat 420
 aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
 tgactttgag ctgtgtgctt tt 502

<210> 1367

<211> 411

<212> DNA

<213> Homo sapiens

<400> 1367

ctgtcaggga ttcacagttg agcttttggg cacctgctga gtgggctcta tcaggttggt 60
 ggcactgggc catctggggg agtgaatgac ctgagagctt ctccaggga atttgattt 120
 attttagaag agaaagctgc ttgacctgac ccttctctc ctctgcttct ccttttaaca 180
 ccaactgtat ttagatgaag actgcccccc accacogtcc ccgttccatc tgtctttctt 240
 acaccagtaa tctgttaaat gtgtattttt ctccctttca tgtgttgatt caacccttga 300
 gggttggtggg acattgcatt agactcacgg cttcttaata gtactggact ttgggttctg 360
 ttttgtgttc catacggaga ggtctcttcc tttctgagtt tccgcatgca g 411

<210> 1368

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1368

```
gacacactaa catttataacc aaattgcaga ttattctgca gagaggggaat tgcattgtttg 60
tggtgtatat ttagtatgaa cttttttcag aatataatat ttcttagtta tcaaaagtag 120
ttggaaaaca ttgcaagac tatgaacata gaattgctgc ttttatattt taactgcaga 180
ttgtgaattt cactgcctta tattatttat ttctgaaaca aaagaggcat ttttcaataa 240
aactactgaa aattt 255
```

<210> 1369

<211> 63

<212> DNA

<213> Homo sapiens

<400> 1369

```
ccttcgagaa gatccctagt gagactttga accgtatcct gggcgaccca gaagccctga 60
gag 63
```

<210> 1370

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1370

```
ctgttttaaaa tgactgtctg actcaccatg gtaatttttc acaaattaaa gacacatttt 60
gggttgtgca acagtgtcct catctttcca ggcaggcaga ttattttaat gctgtttatac 120
agggaattgg gactctcgga ttttcttttt taaccttttt atgcctttca gtaggggaag 180
tttccttgaa agagagctgc aaatctctta agtatcaacg taaagaagcc gatgacccaa 240
ttcgggaggt ggttcaagtg ttctgttcgt ttacaaaagc acagaccacg accatggaca 300
caccagtggt aagtaaccac acctggtgtg ttcttagaag ctacacctgtg acagttcaac 360
aagaacttac tattccagaa aagtattaca caaagttatt tt 402
```

<210> 1371

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1371

```
aaaaaagcac ctcccttacc catatcacgt ttctctgaca ggtgttaaag taggcaatga 60
gtatgtcaac agcttgagca tcagcgtctt gcaaggactt cagaccaacc actcgccaaa 120
aatcttggca gcttttttat cttgttttta atacaacggt acatccactc tgatggcaaa 180
cctgtccagc cacatctcca caacaagctt tgcaaaatca gtgattagca aattagttag 240
ctttggcacg gagctgtgct cgcttgcccg tgacagcctg gaagccggtt ttgatactgg 300
caacagaaca tctagaatga caagtttcgc actgtaggaa atagagtcgt gtgtccttct 360
gcaggattgt gtccggtgat cggcatgtgt gacaagtgc atattccttg atatatcttc 420
tcaagacatt ttctatctgt ttctgttggga atcttc 456
```

<210> 1372

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1372

0920300 003104

```

aaaggagact ggatatggag tgaagacaca gtctattaat gtactgagtg gagtatgggt 60
agcctatgaa aatcctgact tcacaggaga acagtatata ctggataaag gattttatac 120
cagttttgag gactggggag gcaaaaattg taagatctct tctgttcaac ctatatgttt 180
ggattctttc actggcccaa ggagacgaaa tcagattcac ttgttttcag aaccacagtt 240
tcaaggtcac agtcaaagtt ttgaagaaac aacaagtcaa attgatgatt cattttctac 300
caagtcttgc agagtttcag gaggcag                                     327

```

```

<210> 1373
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<400> 1373
ccattaaaag ttattttacaa cagtgggaga aaaaaagaca agaagttgtt tcacattaca 60
gacctcccc caccocaaag cctaatactt gcttaccaag tcaaaaaaga gacacagttg 120
attcacaggc tggagggttg aacttgagta agacatttat aaaaacctag acgyggcagt 180
gtcctcccca gcccagggtgc cactaggcac agcacaagag actaaaaaca acaggggaag 240
gctggacact caagggtttg gagtataagc accccacttc tggctcaggg atttggggag 300
tagggtaaac aaaacctact tggaaaagaa ttggggaaga aaaccaacaa ctgccttatg 360
caggggtggg gacagggaag gaggtagggc cagggacagg agcatttcac atcactaacc 420
taacttggga agctgtaagg gaccatcttc aactggcctt aagaggagaa ccagatggct 480
gat                                                         483

```

```

<210> 1374
<211> 270
<212> DNA
<213> Homo sapiens

```

```

<400> 1374
ccagagggaa gtggatgcgg ggatagggca ccaggttggt ctggaattct gtcagggtcaa 60
cattcagggc tccatcaaat ctgaggaag cagtgatgga ggacacaatt tgacctatta 120
acctattcag gttagtatag gttggacgct caatatcgag gtttctacga cagatgtcat 180
agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
tgaggatgga gttgtagggc tcaactacag                                     270

```

```

<210> 1375
<211> 558
<212> DNA
<213> Homo sapiens

```

```

<400> 1375
ccaacagagc aagaccgtgt ctcaagaaaa gaaaaaaaaa agttcaaatt ctttagaaaa 60
cagcataatt ttagcccggt gtgatgccaa taggaattgt caaggaagtg cccgtccaag 120
tcatggaaga tgatgttatg gtacagggtg gagagcaacc actgaaggag attctgggaa 180
ggccaaaggg gagggcgggc tgaggggtgt ccatttttaag ggttaacttg ccggaacct 240
caggccgact ttccagagca gagggcctag ctttctgccc ttccccctgc aggagccaat 300
ttagtcaaaa gaaagcaaac tctggatttg ggggtgcaaa aggagacgct ggctggcaaa 360
gacctggcac actcatgcct accagctttt tacgtggctc taaacttcct gagcccaccc 420
agaattccaa ctgggtgagt cctagcagcc tcttagcaca cagcaagagt cccccactcg 480
ctaattggac cgagcccaaa gcagatcccc tttagatgtg gagtgggtcc tatccctcca 540
gcccctcgga atcatgat                                     558

```

```

<210> 1376
<211> 456

```

09920300.073404

<212> DNA
<213> Homo sapiens

<400> 1376
ctgctcattg ccccttcaa agaggaggac gagtgggaca gcccgcacat cgtcagggtac 60
tacgatgtca tgtctgatga ggaaatcgag aggatcaagg agatcgcaaa acctaaactt 120
gcacgagcca ccgttcgtga tcccaagaca ggagtcctca ctgtcgccag ctaccgggtt 180
tccaaaagct cctggctaga ggaagatgat gaccctgttg tggcccgagt aaatcgtcgg 240
atgcagcata tcacagggtt aacagtaaag actgcagaat tgttacaggt tgcaaattat 300
ggagtgggag gacagtatga accgcacttc gacttctcta ggaatgatga gcgagatact 360
ttcaagcatt tagggacggg gaatcggtg gctactttct taaactacat gagtgatgta 420
gaagctggtg gtgccaccgt cttccctgat ctgggg 456

<210> 1377
<211> 397
<212> DNA
<213> Homo sapiens

<400> 1377
ctgttaaaga ttcccaaag catctgagac accatctggg gtgcagcaca acagaagacg 60
tttaagatgg gaccagaaag aagaatgtat agctcttctc taaataaacg aatgggtctgc 120
cccaagcctt caggaaggag aatgggtctat ggtgactggg gaaagttctc ttgcccctcc 180
cagcactctg atgtcagagt agtaggttaa gggtggaagg ttgacctact tggatcttgg 240
catgcacca cctaaccac tttctcaaga acaagaacct agaatgaata tccaagcacc 300
tcgagctatg caacctctgt tcttgatatt cttatgatct ctgatgggtt cttctcgaaa 360
atgccaagtg gaagactttg tggcatgctc cagattt 397

<210> 1378
<211> 333
<212> DNA
<213> Homo sapiens

<400> 1378
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
gggtgtgctg cctcgacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
cttcttcagt cgctccagggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccattcttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgatcac acgttccacc tcattctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cct 333

<210> 1379
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 43, 53, 60, 73, 123, 139, 144, 152, 169, 246, 311, 316,
334, 337, 354, 373, 418
<223> n = A,T,C or G

<400> 1379
tttttttttt tttttttttt tttttttttt naaagcaaatt ttnttttaatt ganaactcan 60
aattaaactt canagggacc caacgtcata cttccattca gggacttgat acaaaaaatt 120

0920300.073101

tantttgaac tgctattanc agngggcagg anccaccttc aaatgaatnt tcaaattgga 180
 aaatactgct tcaccacctg ttggggataa gttgcaaag gaataattta gtatggtttg 240
 tagctntttt gatgaccacc tgcctggat accttcccat aaccactctg ctggtcacca 300
 ccttttccac nagctnttcc tgcaaatcct cctntanac cccactgttg ctgntgctga 360
 tattgttctt tcnacatggc tacttttatt tcacatttac taaaaccaac attgggggnat 420
 ttcttttcca ttatcttctt cactgggttct tcttctttaa agg 463

<210> 1380

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1380

cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccba aaaatgcaag agccatgatc agtcatggcg 120
 aactgcagg cggtactgag tgaccatgtc cagtccggct ccgtccctcc cacacggggg 180
 acaagcttct ccgaggagg 199

<210> 1381

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1381

aaagtagaga taatttactg aagcgtctct gacaatctaa cttatttagac agcaagcaat 60
 atataatact gaaaaagtat tcagaaatgg aaaatttaca tcatataggt tatttaactt 120
 gtgttcagcc tttttgtaac ttttttgaaa gtgcaaacaa ttcttttgat tattaataaa 180
 ggtatacagt atgcatggtt tctcaaattt agcttt 216

<210> 1382

<211> 466

<212> DNA

<213> Homo sapiens

<400> 1382

ctggaggccg aggagcaggg gaagcagaag aagcggcaga gtgtgtcggg cctgcacaga 60
 taccttcaact tgctggatgg aaatgaaaat taccctgtgc ttgtggatgc agacgggtgat 120
 gtgatttctt tcccaccaat aaccaacagt gagaagacaa aggttaagaa aacgacttct 180
 gatttgtttt tggaagtaac aagtgccacc agtctgcaga ttgcaagga tgtcatggat 240
 gccctcattc tgaaaatggc agaaatgaaa aagtacactt tagaaaataa agaggaagga 300
 tcaactctcag atactgaagc cgatgcagtc tctggacaac ttccagatcc cacaacgaat 360
 cccagtgtctg gaaaggacgg gccctccctt ctgggtggtgg agcagggtccg ggtggtggat 420
 ctggaaggga gcctgaaggt ggtgtacccg tccaaggccg acctgg 466

<210> 1383

<211> 92

<212> DNA

<213> Homo sapiens

<400> 1383

aaaaaagtga catttgcttt attactattg gcagggtggg cctgcatgag gtgggttagtg 60
 tgctcagggg atgggtgggc tgtggagatg at 92

<210> 1384

09920300.073104

<211> 150
 <212> DNA
 <213> Homo sapiens

<400> 1384
 ctgtcctgag ctaacactaa aagtcactgg gtatttggtt aaaggtctcc cacaagactg 60
 gtattctctt tgcctgaaga aacaaggcat tgaatctcta aaatgctggt ctcaatcatt 120
 gtcagagatg ttttcagttg cagtcagaag 150

<210> 1385
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 1385
 ctgttttctt caaaatctct ggattctcca atatgggata gcgggtcttt aagtcgatga 60
 ggaagccctc aaatgggtctg taaggattgt ggacaataag gtggaaatta agttgctgta 120
 taagaagtag ttcatattcc agtatctgtt caagtgcctt ctctgtcca agaggactct 180
 cccggagggt tccaacaaac tgaggactag atacattgaa ttcatctact ttgcaggcca 240
 aaaatgcaca agtgagcatt attatcctgg ggtgatattc cattactgag ttattaagat 300
 aaaaacgttt gaaatacata caagccgtac ccacaacaga tcttggcatt gctggcttaa 360
 acaccgaaca gaattccaat aaccttttct catagtattt gcagagtgtc atttcttcat 420
 gaggtctcaag aaagactgga tcattcggaa gaaccttccc gttgg 465

<210> 1386
 <211> 502
 <212> DNA
 <213> Homo sapiens

<400> 1386
 ccagtttggt ctaggatgca ttgcatcaga catcacagta catgaagaaa atctgctttt 60
 tgtgaaaagc caccaggcat tttagatccc gtttaccatg aagtgacagc acagcagata 120
 cccagataat acagtcagtg caaaagtcaa atgagtaagt cagctctttg atgaggctgg 180
 ctacactgca aaatataaat gaaactcgaa aatagaagggt aaggctctatt tacaaaagtt 240
 tgtttagtaa agtgacttga aaaaagttgt taaccacttc ccaggcatcc ctccccctctc 300
 ccaccaaaaac aaacaaacaa aaaacaacaa caacaaaaac cctgaaaatt atcttgaaag 360
 tcaagttaaa actatgtggt gaaaaagaga gtgcttggtc caggtaaagg acttcaagat 420
 aatttacagg cagatttatt tttattagta aaagtcacaa ataggaaaag acttattggc 480
 tgactttgag ctgtgtgctt tt 502

<210> 1387
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1387
 ctggacagat ccccttccca cctgccagca ctcaagagcc actacacctt ggagggtgctc 60
 cagccaattt gacgacactg aggatccctg tgtggaaatc attctttggc tgtctgagga 120
 atattcatgt caatcacatc cctgtccctg tcaactgaagc cttggaagtc caggggcctg 180
 tcagtctgaa tggttgtcct gaccagtaac ccaagcctat ttcacagcaa ggaaattcac 240
 cttcaaaagc actgattacc caatgcacct cctccccag ctcgagatca ttcttcaatt 300
 aggacacaaa ccagacagggt ttaatagcga atctaatttt gaattctgac catggatacc 360
 catcactttg gcattcagtg ctacatgtgt attttatata aaaatcccat ttcttgaaga 420
 taaaaaaatt gttattcaaa ttgttatgca cagaatgttt ttggtaatat taatttccac 480

05920300.073104

taaaaaatta aatgtctttt aagaacatt cttttccact tgttaaaaaa atta 534

<210> 1388
<211> 475
<212> DNA
<213> Homo sapiens

<400> 1388
ccactagagg tctgtgtgcc attgcccagg cagagtctct gcgttacaaa ctccataggag 60
ggcttgctgt gcggaggggcc tgctatggtg tgctgcggtt catcatggag agtggggcca 120
aaggctgcga ggttgtggtg tctgggaaac tccgaggaca gagggctaaa tccatgaagt 180
ttgtggatgg cctgatgata cacagcggag accctgttaa ctactacgtt gacactgctg 240
tgcgccacgt gttgttcaga cagggtgtgc tgggcatcaa ggtgaagatc atgctgccct 300
gggacccaac tggtaagatt ggccctaaga agcccctgcc tgaccacgtg agcattgtgg 360
aacccaaaga tgagatactg cccaccaccc ccatctcaga acagaagggt ggggaagccag 420
agccgcctgc catgccccag ccagtcccca cagcataaca gggctctcctt ggcag 475

<210> 1389
<211> 399
<212> DNA
<213> Homo sapiens

<400> 1389
cggaaaatag cctttgccat cactgccatt aagggtgtgg gccgaagata tgctcatgtg 60
gtgttgagga aagcagacat tgacctcacc aagagggcgg gagaactcac tgaggatgag 120
gcggaacgtg tgatcaccat tatgcagaat ccacgccagt acaagatccc agactgggtc 180
ttgaacagac agaaggatgt aaaggatgga aaatacagcc aggtcctagc caatgggtctg 240
gacaacaagc tccgtgaaga cctggagcga ctgaagaaga ttccgggcca tagagggctg 300
cgtcacttct ggggccttcg tgtccgaggc cagcacacca agaccactgg ccgccgtggc 360
cgcaccgtgg gtgtgtccaa gaagaaataa gtctgtagg 399

<210> 1390
<211> 372
<212> DNA
<213> Homo sapiens

<400> 1390
ccactaacag acctgatact ttggatccag cactgatgag gccagggaga ttggatagaa 60
aaattgaatt tagcttgccc gatctagagg gtcggaccca catatttaag attcacgctc 120
gttcaatgag tgttgaaaga gatatcagat ttgaactgtt agcacgactg tgtccaaata 180
gcactgggtg tgagattaga agcgtctgca cagaggctgg tatgtttgcc atcagagcac 240
ggcgaaaaat tgctaccgag aaggatttct tggagctgt aaataaggctc attaatgtctt 300
atgccaaatt cagtgtctact cctcgttaca tgacatacaa ctgaaccctg aaggctttca 360
agtgaataact tt 372

<210> 1391
<211> 466
<212> DNA
<213> Homo sapiens

<400> 1391
ctggtcacct tacgcaagag ccagggtgaa acatcccctc catactcagc tctttaactt 60
ttcttttctt ttttcatcgg gctcttttct aaaaagctga gctgtaaaat attttacatc 120
gaggataat aaataatcat gtacatgttt taccaccacc cagggtcaaga catagaatgt 180

09920300 023104

```

ttcaacattt ccatcacccc agaaactccc cttgtacccc cttccacttc gtctccccta 240
gtccttagaa gcaaccactg atgtgatttc taccaaatcc agttttgggc ctactaaata 300
tactcttttg agactggcct cttttactca ccataatgcc tttgtaattc atccatgetg 360
ttgtgtgtat cagtagtttg ttccctttca ttgctgagta gtattctatt gtagagatgt 420
accacagttt gtttattcct ctggtgatgg acgtttgggt tgtttc 466

```

```

<210> 1392
<211> 156
<212> DNA
<213> Homo sapiens

```

```

<400> 1392
aaagtcgttt tgggaactgt gatgtgatgt ggaaatactg atgtttccag taagggaata 60
ttggtgagct gcatatataa atttgacaga tagctattta catagccttc taagtaaagg 120
caatgaattc tccatttcct actggaggat ttattt 156

```

```

<210> 1393
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 27, 56, 343
<223> n = A,T,C or G

```

```

<400> 1393
tttttttttt tttttttttt gaagcanaag gaactcttta ttggaaagtg gatganagag 60
gcagctccag ccgtgggcat cctgaatggg aggaagaatg gacagtgtgg gaaggggaag 120
ggcagcaggg acttaggacc agatggggcc tgtagctctg gggacggcac aggtgcagca 180
aggaccggct ccctctcact ggggaacgaa acaggccatc ccgcaagagc cttcacagca 240
cttcttgatt cctgggcagt cagtatcttt caagcagcgg ttagggggat tcaacatggc 300
gcaccggatc aagataatgg ggcaggagcc aggcttagtg ganactggac ctttgactgg 360
ctcttgcgct ttgactttat ctcgaccttt aactgaaact tgtcctttta cgggatcttg 420
tccattgaat ggaacacggc ctttgacagt gtcttgacct ttaacaggaa ctcccgtgac 480

```

```

<210> 1394
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 1394
cctctgtcct ccctcttctc aaagtcccat gattctgtca aggtaatat gccaataatc 60
attcacattt cagtggtttt tagacacgca ggttattcag acagacacag acaacaaaac 120
aagcctcaaa gccagaacaa aacaaaacaa aacaaaatcg aacataggta taaaaggtaa 180
aatatatgta caaagtacac agtacgtgag gtatacacgg cattctcaca atgcatgtta 240
gtagtttgcc taggcatagc ccttaaagat gactgcctgt ttttgtgcca tttctcaaaa 300
tacagtatat tttgtttacc cgtttaacca cctgatttca gcactgtcca agacagtta 360
tgatatttca tctgaatttg ttttttaatg aaagttgcaa tttctccatt aagctccatc 420
ttttgtaggg gagtgagttt ccatctctgg acatatctaa cagaggctgg attccacact 480
acaaaag 487

```

```

<210> 1395

```

00920300 "03401

<211> 256
 <212> DNA
 <213> Homo sapiens

<400> 1395
 ctgaaaagca acaacaaaag ggtttggttg caacagccag tgtgggtacc tctggggaga 60
 gaggacctcc tctgacaaac tgggtctggtg cccaccatgt gccaggatcc accctggcct 120
 ctttttacct actgactccc cagaacaacc ctccaggtct tctcttgta tctttctctg 180
 cctgagggga aactgaagct ctgaaatgag atgtgatctg taccaggtca cccagctatg 240
 ctgcaaagtg gggttg 256

<210> 1396
 <211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 536
 <223> n = A,T,C or G

<400> 1396
 aaagcaaaag agacatcctt taataactgt ataaaatcca ggcagttcca ttaaaggggt 60
 taagaaaacc aacaacaaca aaaagcgagg gactgtctgt tgtcactgtc aaaaaggcac 120
 ttggagttaa tgggaccagg attgggggac tcttagctga tacagatttc agtacgattt 180
 cattaanaag cttggatggt aagagaggac actcagcggg tcctgaaggg agacgctgag 240
 atggaccgct gagaagcgga acagatgaac acaaaggaat caaatcttta caaccaaatt 300
 gcatttaagc gacaacaaaa aaaggcaaac cccaaaacgc aacctaacca aagcaaaatc 360
 taagcaaat cagacaacga agcagcgatg catagctttc ctttgagaga acgcatacct 420
 tgagacgcta cgtgccaacc taagtctctc acgacagctt cacagtagga ttattgtgat 480
 aaaaatgact caagcgatgc aaaaagtttc atctgttccc agaatccgag ggaganctga 540
 ggtgatcggt agagcatagc gaca 564

<210> 1397
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 238, 266
 <223> n = A,T,C or G

<400> 1397
 ccttggttga ttcattgattc ttttcacaag cacctggatc ttttcctaag gataaaaaga 60
 ggcacaagga gacaaaaggc tttggaggga aagaaaatat cttggttgta ccatgtgctg 120
 ttctgaaaca agaaggaaaa gcatgtgggc attgaatggc tgcgatcaaa gaccgcatgg 180
 tgacagcacc ctggaaagac gatgtcactt ccacgaggac acctgccggg gcggtcgncc 240
 gggcaggtct ggtagggggc gccganacac caccctgga gtgatggagg aggaggatgt 300
 cattg 305

<210> 1398
 <211> 304
 <212> DNA

05920300.073104

<213> Homo sapiens

<400> 1398

```
ccaagggaga tgttacagcc cagatagctc ttcagcctgc actgaagttc aatgggtggtg 60
gtcatatcaa tcatagcatt ttctggacaa acctcagccc taacgggtggt ggagaaccca 120
aaggggagtt gctggaagcc atcaaacgtg acttttggttc ctttgacaag ttttaaggaga 180
agctgacggc tgcattctgtt ggtgtccaag gctcaggttg gggttggctt ggtttcaata 240
aggaacgggg acacttacia attgctgctt gtccaaatca ggatccactg caaggaacaa 300
cagg                                           304
```

<210> 1399

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 449

<223> n = A,T,C or G

<400> 1399

```
aaatgtttgt gtgggtggtc tgtgtagtta ctccccatac aacaaagctg aaaaaatttt 60
taatttacac aatgtattct gcattttcaa atgtttatgt tgtgtatata gcaaagaaat 120
tatcttactg atatgcgttg accaaatccc atggagaaaa gacatctcat ttgaggttcc 180
ccttcctctc atgtgtttga ttttttgga ggtgatacag tatgtgggta accatgcaaa 240
tgtttatgaa taactttact gaagtgattc catccgtatt ctgttctaata acttggagaa 300
tgaccttcat atttatata tttatttctt tgtttcaact atccagtgat aattcaggaa 360
atgtttcctt tttttttttt ttacaaaaac tttttatttg taaaatgttt gtaataatgt 420
aaaggtgaac atgttcaata aaaatcatnt attaaaagtt 460
```

<210> 1400

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1400

```
cctggctggg cctccactgt tgaggtcatt atggtgcttc cgctttattc tgattaactt 60
ttggttacac acattgaaaa atgacctaa agagttgttt tgagtggcgc tttttctcat 120
tgtacagctc ctgctagcag tttactgcaa cactgatttc tctggaacct ctgagtttcc 180
agtcattcatt agggctgtta ctagcaagga cctacaagcc agcctcaaaa tgtgagaggg 240
ctgccgacag tcttctgtg gttagctgcc acagtgccca gggaccatct tccctctcct 300
cctccccac tgccagctcc tgttccagcc gcatcagttc ctcatgttgg agatcttctt 360
catgggactg cagcaactgg tccacagcag cctcagcaac ctcttcaaag gccacatttc 420
tggcaagggt cacaatgttt ttttgaagct gtgcaatgtt atctgcctg 469
```

<210> 1401

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1401

```
ctgggaagtc tgtgccccca tccttctgcc aggtatctctg gggggctggg tgccccacag 60
cagcacactc caagcgtgcc atggccccag ctcggtatgtt gagatccatg ggggtcttgg 120
tgaatgaggg aagcatatctt actgtaagct tggctttgac agagttaggat gaaccaaagt 180
```

gattggagat gacacactga tatttcccct cactggcaaa ttccacctcg cgcagccgaa 240
 ggatgggtgt atactccatc acctcgccac cttgggcccg gaggtgtgca taattttcca 300
 tttcagcatc atgcagtagt tcattgtctt tttccaagc aaaagtcatt ggggaatcac 360
 tgctgctggc ag 372

<210> 1402
 <211> 542
 <212> DNA
 <213> Homo sapiens

<400> 1402
 gaacaattgt ctctggacgg cagctatgcg actcaccgtg ctgtgtgctg tgtgcctgct 60
 gcctggcagc ctggccctgc cgctgcctca ggaggcggga ggcatgagt agctacagt 120
 ggaacaggct caggactatc tcaagagatt ttatctctat gactcagaaa caaaaaatgc 180
 caacagttta gaagccaaac tcaaggagat gcaaaaattc tttggcctac ctataactgg 240
 aatgttaaac tcccgcgtca tagaaataat gcagaagccc agatgtggag tgccagatgt 300
 tgcagaatac tcactatttc caaatagccc aaaatggact tccaaagtgg tcacctacag 360
 gatcgtatca tatactcgag acttaccgca tattacagt gatcgattag tgtcaaaggc 420
 tttaaacatg tggggcaaa agatccccct gcatttcagg aaagttgtat ggggaactgc 480
 tgacatcatg attggctttg cgcgaggagc tcatggggac tcctacccat ttgatgggcc 540
 ag 542

<210> 1403
 <211> 496
 <212> DNA
 <213> Homo sapiens

<400> 1403
 ccttatttct cttgtccttt cgtacaagga ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctgcgagggt ggggttctgct ccgagggtcg cccaaccgaa atttttaatg cagggttggt 360
 agtttaggac ctgtgggttt gttaggtagt gtttgcatata ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt catgcccggc tcttcacggg cagggtcaatt tcaactgtta 480
 aaagtaagag acagac 496

<210> 1404
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 1404
 ctggtcttta attatgtggt tccgaagcaa attccttgta tgggcatcaa ttggaggggt 60
 tccatctttg aatacagaat tcaggggagc caggagggtc aaccgctcac ttccagagag 120
 atgattgccg aggcgggctt gtctgaaaag gtcaatggct gtggacacat cagactctgc 180
 agccaattca aatagtgtct tggctgagtc tgggatgagt agctcatcaa tgtagtggat 240
 caccocgttg gtggctagga tgtctttatt ggagatgac gccttcccgt tgatagttag 300
 catgtccccc ctgcagccca cctccagtgt cgtgcccctc aggggtctcta cagacagccc 360
 cgcaacgatg gcttcagcac acatagctga cttcaagatg tggttgttca gcagggtctct 420
 cagggtctct ggggtcgccca ggatacgggt caaagtctca ctagggatct tctcgaagg 479

<210> 1405

<400> 1405

<210> 1406

<400> 1406

<210> 1407

<400> 1407

<210> 1408

<400> 1408

<210> 1409

```
<211> 508
<212> DNA
<213> Homo sapiens
```

<400> 1409

```

ccagtataat gctatTTTTa agactataca gtatgtacgt gcacacacac aactgtcat 60
gtgcacagaa acatacaatg tgtattcTTa tcatcaatgg tccaattTaa tgaatcacac 120
agattgaaag ggTTcaagtc tTaaagaagt tatgagcacc atagctggTg ctcagactgt 180
gcatgtatct ttggatcaat gagttgtTga aagtctgctg ggtgcagtaa agtacagaat 240
acagaacatc aatgtTTaat gTtaatacgg taggcaaaga gacccagtca gTTTcctggg 300
ttgctTTact ggacggctga tgaactaggt actctgtTca cTTggTaaat tctcagaagc 360
cagattgact ctctatgtat cTTgtTTTat caggattgtt tgcatagctt gctaaaaggc 420
acctaagcag cagcatcatc tctatgtctt cagtaaattg tggaacattt cTaaaatact 480
cctggaagca gagacagtgt ggtccttt 508

```

<210> 1410

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1410

```

aaatgttcta ttacagcatt atgctTcatc accacctgtt tctgaatgat tTcactTTga 60
ttagaagctt ggaggggtgtg tTcacgccta atTTctatct gTtgctgtTt cTTctTTTgc 120
tgctgatccc tgagTTgctg aaccctTTgc aactgctctt gcacactggc Tgcctgcact 180
gtaaccacat tctgaatctg gtgagTctgc acagcactgc tTtgctgaat ttggataggt 240
aactggagtt tgattTgctg gggcacacca cTTtgctgag cctgtatctg agccacaacc 300
tgtgactgga tctgagagag aacctggact tgtTgtTgca g 341

```

<210> 1411

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1411

```

ccaggTTTTa gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctctTTtgac ttggactatg actTTcaacg 120
ggactattat gataggatgt acagTTacc cagcagtgta cctcctcctc ctctattTgc 180
tcgggctgta gtgccctcga aacgtcaacg tgtatcagga aacactTcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatctTcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gacccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgacc 566

```

<210> 1412

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1412

```

ctgggcccgc ttagcccacc aggcattgagg ccaagggctc cactgaccag gagggcgagg 60
tctctaactc ttatcttcca cagggtccaa gagttcatca ggaccccaa gagtgagtga 120
gggggcaagg ctctggcaca aaacctcctc ctcccaggca ctcatTTata ttgctctgaa 180
agagctTTcc aaagtattt 199

```

<210> 1413

<211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1413
 ccatgaattt taattgaatt ttgacgggg caagctacgt tacattatgg cagaaaaaaaa 60
 gtgcaactga catactacaa agagattttt taagtttaaa aaaagtttgg atcttttgga 120
 tttctttttt ttttttgggc tttatgtgct taaataacgc tgaattataa ttagccacac 180
 aaataatgag agttttatatt ttttttctgg ctcaactccaa atcagcctgt taaggatatat 240
 ttcccttctac agccttttcct gatttttgcatt gttctcattc ccaaagtagt ctaccttagt 300
 ttacactcaa aggttagcact tgttgaaact acatgacaga aacaggctgc aaagggtggac 360
 aagggggaagc atgtccctct tgtcttgata aatcagtgcc acacacagaa cccacatttt 420
 ctgagacatt atcttcatta taga 444

<210> 1414
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 1414
 ccagtatgtc cccaggatta tgtttgttga cccatctctg acagtttagag ccgatatcac 60
 tggaagatat tcaaacgcgc tctatgctta cgaacctgca gatacagctc tgttgcttga 120
 caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccaa 180
 gcccttctgt ctgtcagg 198

<210> 1415
 <211> 584
 <212> DNA
 <213> Homo sapiens

<400> 1415
 ctgttttcct agaggggaaaa atcttgagac cagatgggtg agctctggag tcagaggaaa 60
 tgggtgtctt cagcacaaaag ctgctgcttt tacttcagcc acttctgaca tttttacata 120
 ccgagcctga gattatgtga ttatctcaaa tcaaatcact ttgatggaga taaataatca 180
 aaactgtttt atagtcattg atttggtgag aacagtaatg gaaaatgggt ttgaaggact 240
 tctcattttt ggagcttttc ttccagagtc ctggctgatt ggtgttcgct gttcatctga 300
 gcccccaaaa gcattattac tgatacttgc acacagtcaa aagcgcagac tggatggatg 360
 gtcttttata aggcatttaa gggtacacta ctgtgtttca ctgaccatac atttttctta 420
 gccctcaag taatatagca cagagttatg aatgacaatt cccctaacca ttctcttca 480
 tatctgcctc ttccccttac catcgtaatt ctccaaactg gtcataaagg cactctgtga 540
 agatattggg gactgacatc ttaagctctc acctggctgc agta 584

<210> 1416
 <211> 525
 <212> DNA
 <213> Homo sapiens

<400> 1416
 gtagtttctt catttcagga agactgacag ttgttttgct tcttccttaa agcatttgca 60
 acagctacag tctaaaattg cttctttacc aaggatatatt acagaaaaga ctctgaccag 120
 agatcgagac catcctagcc aacatcgtga aaccccatct ctactaaaaa taaaaaatg 180
 agctgggctt ggtggcgcgc acctgtagtc ccagttactc gggaggctga ggcaggagaa 240
 tcgcttgaac ccgggagggt gagattgcag tgagcccaga tcgcaccact gcactccagt 300
 ctggcaacag agcaagactc catctcaaaa agaaaagaaa agaagactct gacctgtact 360

<210> 1420
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 1420
 ccaagaagct agggctgctg gtcttccctt acacacacca gaactgggaa gtgcagtaca 60
 gtcgtgatgc tcctctgccc ccccggaag acctcaacgc ccctgacctc tatatcccca 120
 cgatggcctt cattacttac gtgctcctgg ctgggatggc actgggcatt cagaaaaggt 180
 tctccccgga ggtgctgggc ctgtgtgcaa gcacagcgct ggtgtgggtg gtgatggagg 240
 tgctggccct gctcctgggc ctctacctgg 270

<210> 1421
 <211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1421
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaggctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgtag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggagataac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagtttgg ggatagcacc aagagat 467

<210> 1422
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 487, 555
 <223> n = A,T,C or G

<400> 1422
 ctgccgtctt aaagcagatg tgcgcaacag tgtacaggca cacctgccat agcaaattcc 60
 taggatacct cagtcctcca tgttggtatg cttttctttt caacaatgtg gaaaatgcag 120
 tttaccaaga agcttttttg gttttccttt taaggattaa cttcaaaaaa gcaagcgatg 180
 agtttgccctg tggagcgggtg tttgaggaga tctgggagga tgagacgggtg ctcccgatgt 240
 atgaaggccg gattctgggc aaagtggagc ggatcgattg agccctgggg tctggctttg 300
 gtgaactgtt ggagcccga gctcttgtga actgtcttgg ctgtgagcaa ctgcgacaaa 360
 acattttgaa ggaaaattaa accaatgaag aagacaaagt ctaaggaaga atcggccagt 420
 gggccttcgg gagggcgggg ggaggttgat ttcatgatt catgagctgg gtactgactg 480
 agataangaa agcctgaact atttattaaa aacatgacca ctcttgcta ttgaagatgc 540
 tatttgagag actgncatac ataatatatg acttcctagg gatct 585

<210> 1423
 <211> 284
 <212> DNA
 <213> Homo sapiens

<400> 1423

```

tgggatcctc aaggtgcctg ccatcaatgt caatgactcc gtcaccaaga gcaagtttga 60
caacctctat ggctgccggg agtccctcat agatggcatc aagcgggcca cagatgtgat 120
gattgccggc aaggtagcgg tggtagcagg ctatggtgat gtgggcaagg gctgtgcca 180
ggccctgcgg ggtttcggag cccgcgtcat catcaccgag attgaccca tcaacgcact 240
gcaggctgcc atggagggct atgaggtgac caccatggat gagg 284

```

<210> 1424

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1424

```

ctggatcact tcccgcagtc cttgggcagc gctttgctgt ggaacacgag agtcctcct 60
caggggcttg gcactcacct tctattctgt atgatgtatt tggttaaaca ctgtcaaata 120
atagagatgt gccagattta gattttctta ccctaattctg tttaatattg taactttatt 180
ccatttgaaa gtgtcaagcc cattcagata agctataatc tggctcttaa ggaacacaa 240
ttt 243

```

<210> 1425

<211> 132

<212> DNA

<213> Homo sapiens

<400> 1425

```

ctaagacctc cagctacctg acccccgcac tctggaagga gactgtattc accaagtctc 60
cctatcagga gticactgac cacctcgtca agaccacac cagagtctcc gtgcagcgga 120
ctcaggctcc ag 132

```

<210> 1426

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1426

```

cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt ttcccggcgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtggtttgt ggtttaagtc ccattggtct 180
agtaagggct tagcttaatt aaagtggctg atttgcgttc ag 222

```

<210> 1427

<211> 270

<212> DNA

<213> Homo sapiens

<400> 1427

```

ccagagggaa gtggatgcgg ggatagggca ccaggttggt ccggaattct gtcagggtcaa 60
cattcagggc tccatcaaat cttaggggaag cagtgatgga ggacacaatt tgacctatta 120
acctattcag gttagtatat gttggacgct caatatcgag gtttctacga cagatgtcat 180
agatggcctc attgtctacc atgaaggcac aatcagagtg ctccagggtg gtgtgggtgg 240
tgaggatgga gttgtagggc tcaactacg 270

```

<210> 1428

<211> 517
 <212> DNA
 <213> Homo sapiens

<400> 1428
 ctgcagcctg ggactgaccg ggaggctctg attatttacc caccacaggt aggttgtgtt 60
 ctgaatctca gggtcacagg ttaaggctac agcatcctca tcctccacgg gggtggagtt 120
 gttgctggtg atgaagggtt tgggtggctc atagactgtg atcgtcgtga ctgtggctct 180
 attgaggcca gtgtctgagt tatgggcttg gcacgtatag gatccactat tattcacagt 240
 gatgttgggg ataaagagct cttgggtgga ttgctggaaa gtcccattga caaaccaaga 300
 gtactgtgca ggtgggttag aggctgcgtg gcaggagagg ttccagatttt cccctgatct 360
 gtaagatgtg tttagagggg aaatggtggg ggcacccggg ccatagagga cattcaggat 420
 gactgaatca ctgcgcctgg cactcactgg gttctgggtt tcacatttgt agcttgctgt 480
 gtcatttctt gtgacattga atagagtga ggtcctg 517

<210> 1429
 <211> 240
 <212> DNA
 <213> Homo sapiens

<400> 1429
 cctagctcca accaagagtg tgctccagat gtgtttgggc cctacctggc acagagtcct 60
 gtccttgga aaggaaagga ccacagcaaa caccattctt tttgccgtac ttctagaag 120
 cactggaaga ggactggtga tgggtggagg tgagaggggt cgttttctg ctccagctcc 180
 agacctgtc tgcagaaaac atctgcagtg cagcaaatcc atgtccagcc aggcaaccag 240

<210> 1430
 <211> 65
 <212> DNA
 <213> Homo sapiens

<400> 1430
 ctggatgagc caaaactaga acgacggcct cgggagagac acccaagctg gcgaagtga 60
 gaact 65

<210> 1431
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 1431
 gtgctgagag tgcggagtg gtgctccggg ctcggaacac acatttatta ttaaaaaatc 60
 caaaaaatc taaaaaatct ttt 83

<210> 1432
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1432
 ccagcaacat gtccotgac tcagtgaggt cctccttggg gaacacaaaag cccacattcc 60
 cccggatatg aggcagcagt ttctccagag ctgggttggt ttccagggtgc cctcggatgg 120
 ccttgccgat catggtgttc ttgcccatca gcaccacagc cttcccgcga agggacatgc 180

ggatctgctg catctgcttg gagccacat tgtctgctcc cacaatgaaa catttcggat 240
aatcatccaa tagttggatg atcttaagga agtagttgga cttccaggtc gccctgtctt 300
ccctgggcat cacggcgggtg cgtcagggat tgccacgcag ggtttaaaga cgatgtcact 360
tcqacgagga c 371

<210> 1433
<211> 315
<212> DNA
<213> Homo sapiens

<400> 1433
ctctcagctc tcggcgcacg gcccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttgaggg gtgatcactc tacaccccca agtgcatatg ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaagggtgtg gatgagggtca ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gaccaaaaag gaacttgcac cagcactgaa 300
gtcagcctta tctgg 315

<210> 1434
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359, 360
<223> n = A, T, C or G

<400> 1434
aaaataaagg ataaattcta agtaagtcac taagctaagg aaaaagcagt gatactagta 60
agccttaata ttatactaag gaattgaccc acttggagtt ggacactaat tagtgctgag 120
aggtttgtaa attactttta taactccttt ctgtttgagg gtgtatgctt ttccatacc 180
tatctttcac atgtttttta caacatcttc taagtggtaa taatgagcat atctcttacc 240
acagagcaaa ttagttatcac ttaaggggaa gtcacaacca acacggtagt catctgactt 300
tctattaaga aagatcttct gactgcaact tgaaaacatc tctgacaatg attgagaann 360
gcattttaga gattcaatgc cttgtttctt caggcaaaga gaataccagt cttgtgggag 420
acctttaacc aaataccag tgacttttag tgtttagctca ggacag 466

<210> 1435
<211> 328
<212> DNA
<213> Homo sapiens

<400> 1435
cccacggact cctggtctga gcccaataaa gactgttaat tcctcatgag ttgcctgccc 60
ttcctccatt gttgccctgg aatgtacggg acccaggggc agcagcagtc cagggtgccac 120
aggcagccct gggacatagg aagctggggg caaggaaagg gtcttagtca ctgcctcccg 180
aagttgcttg aaagcactcg gagaattgtg cagggtgtcat ttatctatga ccaataggaa 240
gagcaaccag ttactatgag tgaaagggag ccagaagact gattggaggg ccctatcttg 300
tgagtggggc atctggttga ctttccac 328

<210> 1436
<211> 181
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 30, 66, 94

<223> n = A,T,C or G

<400> 1436

```

tttttttttt tttttttttt ttttttttgn aaagcgctga tcctgtttat ttggcaggaa 60
aacganacaa tccagcagcc caggagggac aggnnggactt aatcctcctc ctcgctcgtct 120
ccagccccag cccacacctg gcccttcttg gcattcttcc tcttcacgcg gcccgggcgg 180
c                                                    181

```

<210> 1437

<211> 454

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 430

<223> n = A,T,C or G

<400> 1437

```

ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggt 180
atactgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag gctgctggag ctggcaaggt caccaagtct gccagaaaa 360
ctcagaaggc taaatgaata ttatccctaa tacctgccac cccactctta atcagtgggtg 420
gaagaacggn ctcagaactg tttgtttcaa ttgg                                                    454

```

<210> 1438

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 386, 388, 418

<223> n = A,T,C or G

<400> 1438

```

aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60
agtcccatga aattaattat tttctctgct tgatcttggt ggacagtttc atgaagctgt 120
cagtttagttc attaaagttt tggaaattct cagacagtgc agtggtatca gaaacttgta 180
ttcaagagta caggtcagag tcttcttttc ttttctttt gagatggagt cttgctctgt 240
tgccagactg gagtgcagtg gtgcgatctg ggctcactgc aatctccacc tcccgggttc 300
aagcgattct cctgcctcag cctcccgagt aactgggact acaggtgcgc gccaccaagc 360
ccagctcatt tttgtatttt tagtananat ggggtttcac gatgttggtc aggatggntc 420
cgatctctg                                                    429

```

<210> 1439

0990300 079401

```
<220>  
<221> misc_feature  
<222> 406, 422, 436  
<223> n = A,T,C or G
```

```
<210> 1440
<211> 420
<212> DNA
<213> Homo sapiens
```

```
<210> 1441
<211> 286
<212> DNA
<213> Homo sapiens
```

```
<210> 1442
<211> 103
<212> DNA
<213> Homo sapiens
```

<400> 1442
ctggcatttt ggcagatgca tagagacatc tgagaccctc agaaaggaag gataatccaa 60
gaatatagga aatctgtgtt ctcttccttt cattttatcc ctt 103

<210> 1443
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 1443
 ctgcagagag aactcgaatgc caccgcaacg gtattggcga accggcagga tgaaagtga 60
 cagtccagaa agcggcttat cgaacagagc cgggagttca agaagaacac tccagaggat 120
 ttgcgcaagc aggtagcgtc gctgctgaag agtttccaag gagagattga tgcactgagt 180
 aaaagaagca aggaagctga agcagctttc ttgaatgtct acaaaagatt gattgacgtc 240
 ccagatcccg taccagcttt ggatctcga cagcaactcc agtcaaagt gcagcgctg 300
 cacgatattg aaacagagaa ccagaaactt agggaaactc tggaagaata caacaaggaa 360
 tttgctgaag tgaaaaatca agaggttacg ataaaagcac ttaaagagaa aatccgagaa 420
 tatgaacagg cactgaagaa ccaagccgaa accatagctc ttgagaagga acagaagtta 480
 cagaatgact ttgcagaaaa ggagagaaaag ctgcaggaga cacagatgtc caccacctc 539

<210> 1444
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 479
 <223> n = A,T,C or G

<400> 1444
 ctgctttgtt ttctgttggc agtggaggga caaggtgaga ggagccaggg gtagtcatga 60
 acaccagtgg gtctgtccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
 gctccagcag tctcaactgg gaagaccag gactcctgct cttttctcta gtccctggga 180
 gacgaggtcc agctaaggta gagtaagcag tcagtacca ggcaggctgg ttggggagg 240
 cactgcctgg agggcgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
 attacgtaga actttcttcc cctcctcagt tgagggtgct agatgtccca caacgggggtc 360
 ttcaactcagg tcttccaaag gcacacgctc aaacagtggg tgctcttcga aatgagtga 420
 catccagtcg tgtagctcca gcacatcggg tatggtatac accagcccc aactcttanc 480
 acgt 484

<210> 1445
 <211> 390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 275, 326, 369
 <223> n = A,T,C or G

<400> 1445
 aaaagaatac tagcagcttt tacctaggct cctaaatgct tgtaaactctg agactgactg 60
 gaccacacca gaccagggc aaagatacat gttaccatat catctttata aagaattttt 120
 tttttgtcgt cagtttggcc ttctcactcag cagccagggtg agagcttaag atgtcagtcc 180
 ccaatatctt cacagagtgc ctttatgacc agtttggaga attacgatgg taaggggaag 240
 aggcagatat gaagaggaat ggtaggggga attgncattc ataactctgt gctatattac 300

ttgaggggct aagaaaaatg tatggncagt gaaacacagt agtgtaccct taaatgcctt 360
ataaaaganc atccatccag tctgcgcttt 390

<210> 1446
<211> 432
<212> DNA
<213> Homo sapiens

<400> 1446
cctgagcgaa gccacaacc ccgcccgggca catgtgaaag taaacaaaac ctgaaagcaa 60
gcaacaaaac atacactttg tcagagaaga aaaaaatgcc ttaactataa aaagcggaga 120
aatggaaaaca tatcactcaa gggggatgct gtggaaacct ggcttattct tctaaagcca 180
ccagcaaatt gtgcctaagc gaaatatatt ttttaaggaa aataaaaaca ttagttacaa 240
gatttttttt ttcttaatgt agatgaaaat tagcaaggat gctgcctttg gtctctggtt 300
tttttaagct tttttgcata tgttttgtaa gcaacaaatt tttttgtata aaagtcccg 360
gtctctcgct atttctgctg ctgttcctag actgagcatt gcatttcttg atcaaccaga 420
tgattaaacg tt 432

<210> 1447
<211> 416
<212> DNA
<213> Homo sapiens

<400> 1447
ggccaaataa gcgcgggcta tgcccctgta ttggattgcc acacggctca cattgcatgc 60
aagtttgctg agctgaagga aaagattgat cgccgttctg gtaaaaagct ggaagatggc 120
cctaaattct tgaagtctgg tgatgctgcc attgttgata tgggttcctg caagcccatg 180
tgtgttgaga gcttctcaga ctatccacct ttgggtcgct ttgctgttcg tgatatgaga 240
cagacagttg cgggtgggtgt catcaaagca gtggacaaga aggctgctgg agctggcaag 300
gtcaccaagt ctgcccagaa agctcagaag gctaaatgaa tattatccct aatacctgcc 360
acccactct taatcagtgg tggaagaacg gtctcagaac tgtttgtttc aattgg 416

<210> 1448
<211> 429
<212> DNA
<213> Homo sapiens

<400> 1448
cctgtcagag tggcactggt agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atggttgtct gagagagagc ttcttgctct acattcggcg ggtatggtct tggcctatgc 180
cttatggggg tggccgttgt gggcggtgtg gtccgcctaa aacctggtc ctcaaagatc 240
atgtgttgcc caacactggg ttgctgacca gaagtgccag gaagctgaat accatttcca 300
gtgtcatacc cagggtgggt gacgaaaggg gtcttttgaa ctgtggaagg aacatccaag 360
atctctggtc catgaagatt ggggtgtgga agggttacca gttggggaag ctctgtctgtc 420
tttttcctt 429

<210> 1449
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1449
ctgccaaaat ctgggggaaaa taggatcaaa gttaggggac agttgtagtt ctggtgagag 60

09920300-073104

acggtgaggt cccgagctcc tgggatgaga aaacgaaact ggaataggta gacacagtat 120
 tccttcaagt tgtgctttat gaaaaaaaaa aaaatgatga caaaagaggc cagttacttt 180
 ggtaggtctc cttttgtgca gccaaacagg tctcatccag ttatatattt tgctgaagtc 240
 ttgtttcttt tattataatt aaataaatgt tgtttccacc acaactaagt caggagcatc 300
 atgacatcag ttttcccagg tttt 324

<210> 1450
 <211> 70
 <212> DNA
 <213> Homo sapiens

<400> 1450
 ccaccatgcc agacctgtac caccttctgg tggagctgaa tgctgtacag tcgcttctcg 60
 cttgctcggg 70

<210> 1451
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 310
 <223> n = A,T,C or G

<400> 1451
 ggccctacct ctttccctgt cccacccct gcataaggca gttgttggtt ttcttcccca 60
 attcttttcc aagtaggttt tgtttaccct actcccaaa tccctgagcc agaagtgggg 120
 tgcttatact cccaaacctt gagtgtccag ctttccctg ttgttttttag tctcttggtc 180
 tgtgcctagt ggcacctggg ctggggagga cactgccccg tctaggtttt tataaatgtc 240
 ttactcaagt tcaaacctcc agcctgtgaa tcaactgtgt ctcttttttg acttggttaag 300
 caagtattan gctttggggg ggggggagggt ctgtaatgtg aaacaacttc ttgtcttttt 360
 ttctccact gttgtaaata acttttaatg g 391

<210> 1452
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1452
 aaagcggatc tttcctcttt gggccatggg tggatttccct gctcaagcaa ccttcatctc 60
 ttaagctgtg ttgctggaat ctggactttc cattcaagct gggggccatc aatcactcgg 120
 cggtcctctt aatgtcttaa tcatcctgaa atgcctctgc cggcgcatt acgtgcctaa 180
 atccaaatca tgccctgact ctttccagaa cctctctgctg ccattgctagc gtccacagac 240
 ctgctccctt gaacacctcc tctgagattc actgtccacg cactgtgctt ttccctggctt 300
 ggtcgggttc tgtgttcacg tacttccctg ctttgcagct tggcactgga gctgagctctg 360
 aacccagccc ttaccttgaa gtagttacgt agccttgggc aagttactca acctcttcaa 420
 gtctgtttcc tcaactgtca gctccacatg acatcgaaac gcttccctgca gctcatctgg 480
 gacggagtgg 490

<210> 1453
 <211> 334
 <212> DNA
 <213> Homo sapiens

09920300.07340

<400> 1453

```

cgggcgctga ccgtgccga_gctcaccag cagatgtttg atgccaagaa catgatggct 60
gcctgcgacc cccgccatgg ccgtacctg acggttgccg ccgtgttcag gggccgcatg 120
tccatgaagg aggtggatga gcaaagtctt aatgtccaaa acaaaaacag cagctatctt 180
gttgagtga tccccaacaa tctgaaaacg gctgtctgtg acatcccacc tcgggggcta 240
aaaatgtccg ccaccttcac tggcaacagc acggccatcc aggagctgtt caagcgcac 300
tccgagcagt tcacggccat gttccggcgc aagg 334

```

<210> 1454

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 419

<223> n = A,T,C or G

<400> 1454

```

aaaagacact cctcccaagg actaggaagc ctctgaaatg ggcttggaag tttctaatacc 60
caaagacttc gaaccagga tctggatagc aagcaaaaat atttagatat ttactcagtt 120
gaaaacgtgg ggggtggctt cgtggtctct tcgccagcca aatcgctgg aaaaccacga 180
cctcaatttt tacaacagca cgaagactta caagtgaagc tagcagcgac ttcttgaac 240
ctcaacaat gtgggacgct gcaataatgc ctgagggtct ttgacttaca gttgccgccg 300
gagacctggg gagggggtag tacttgggac ggtgagtgca acctcaggaa ctgtcctttc 360
aaaatggtga tggatgtaac aagttgcatg tctgggcttt atttcagtg attaattgng 420
cgatctttt 429

```

<210> 1455

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 260

<223> n = A,T,C or G

<400> 1455

```

cctaaaagat cactatcttt cattcaggga aatcagaaac tacttctagc aggggggaggg 60
aggcaggcag ggaaagtaga aagggcctgg gcagagctgt aatcctcaga acttgtcagc 120
cttcagttcc cccttgctctg aactgagcac tgcccctcag agtcctccca gagccaagac 180
aaaaccaaga cagcaggacc aggagtgcc ctgtctgtcg ggggtgcctg agggagaagg 240
ggaaggaggt ggaggtgtan gcagcatcac tgcagaggcg agatcttcaa ggggatcatg 300
atcctagact ccatgtgtcg caccaggggg actgtatagt agacattttc atcccagcct 360
ctcttctcc aggcagcgtt tcgagtctcc tcccagagact gcagggtctt ataggcccag 420
agatggtgca ccacgtagag ctctcctatc tgtgag 456

```

<210> 1456

<211> 466

<212> DNA

<213> Homo sapiens

09920300 "073104

<400> 1456

```

aaatagctga gcacctactg gaagaattcc tgggctaaat gctgaaaata aaattttaatt 60
tctgcacaga aaataccatt aacttagtag cctttgctta aagggtgggat taattctcca 120
tgaagtcaga atgagacaat aagcagcatt aacttcatag gcacacagaa ctagtgtcca 180
aactgctagc acaaattcca acagagtaca taaggctaag tcactactca agtgtccatt 240
tccatcaaatt ttagagactc tccctatgca tctaaggga ggaattatca ctgaatataa 300
atgcctccag gagaaacgga gaattcagtt aagggttaa tagacaaaag ataataagt 360
caagtactag agaaatgttg ctggagataa accataaaat ttgtgacact aacgtggcat 420
ggggtgaatc acataagctg ctagtgttg aacaccagtg tttcaa 466

```

<210> 1457

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 292, 303, 308

<223> n = A,T,C or G

<400> 1457

```

ccaggaggcg agaaggtggc tgttcccga ttgactgctt tttcccggg gcctttggaa 60
gatttggtgg aaggacaaga gggcctgtcc ctgtccccgt cccaggagg tgccgacagt 120
ccctgtgctg gttagacacg gagcgctgca caccgaaagc ccaaattggg agctctgcct 180
gccggcaact ttgctgatgg ggtgattgct gcttctgggg ggtaaggaaa caagttacag 240
aaattaccgc gttctgtgtg aagggaactga aggtgtgggtg tcattggcag anggtcattt 300
tangaganct gccccagccc ctgcgaacgcc tggcttgggg tgtcattctg cctggcgggc 360
agg 363

```

<210> 1458

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1458

```

aaatcactaa aaatatattat tcggatttga aggatttaag tgctaaaaat caatccattt 60
cttgccttcc aataattgtc catgcctgcc ttttgttgtt tacatgctct tctgcccaga 120
ctgttagtaa tctagggacc ccttttgag ctgataagta cagttcagcc ttttctctc 180
aaatatataa tgactttaac attcctaaga atataggtat ttctgaatga ttt 233

```

<210> 1459

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 435

<223> n = A,T,C or G

<400> 1459

```

tttttttatt attgtacacc ttgaaggcga ggttaattaa atcctgttgt ggagtttgag 60
ggccggaatt taatttttgg agttttatatt aatatcgga gcagattggg taataaaatg 120
tatattgaga ataagacggc cttttgacct tttaggtct agggctgtaa agtgtctcag 180

```

09920300.073404

ggtttgctgcc gaacgagcca tgaactgggc tgggttttta tatttgatga aaaagagcct 240
 aaacgcttct gatttgggat aaagaaaaag gagcattaac cttgactatg tctttagctc 300
 cagccacctt tttaagagta aattgctggg caggtggggg agggctagtc acagaacgaa 360
 actgtaagcc agaccgggtg tgaggagggg aggtgataaa aagattatag ggtggaggag 420
 cgaggagctga ggaanaattg ggacctagct cggcct 456

<210> 1460

<211> 533

<212> DNA

<213> Homo sapiens

<400> 1460

ccaaaatatt ttataacttg tccatacaga gttttgatga tggagactat tttcctgtgt 60
 ggggcacatg ccttggattt gaagagcttt cactgctgat tagtggagag tgcttattaa 120
 ttgccacaga tactgttgac gtggcaatgc cgctgaactt cactggaggc caattgcaca 180
 gcagaatggt ccagaatttt cctactgagt tgttgctgtc attagcagta gaacctctga 240
 ctgccaaattt ccataagtgg agcctctccg tgaagaattt tacaatgaat gaaaagttaa 300
 agaagttttt caatgtctta actacaaata cagatggcaa gattgagttt atttcaacaa 360
 tggaaaggata taagtatcca gtatatggtg tccagtggca tccagagaaa gcaccttatg 420
 agtggaaagaa tttggatggc atttcccatg cacctaagtc tgtgaaaacc gcattttatt 480
 tagcagagtt ttttgtaaat gaagctcgga aaaacaacca tcattttacc tgc 533

<210> 1461

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1461

aaaaacaagg aagaacctag gaaagtccgc tttgattatg acttattcct gcattcttgaa 60
 ggccatccac cagtgaatca cctccgctgt gaaaagctaa ctttcaacaa cccacagag 120
 gacttttagga gaaagttgct gaaggcagga ggggacccta ataggagtat tcataccagc 180
 agcagcagca gcagcagcag tagcagcagc agcagcagca gcagcagcag cagtgcagc 240
 agcagcagca gcagcagcag cagcagtagc agcagcagta gcagcagcag cagcagcagt 300
 agtaccagtt tttcaaagcc tcacaaatta atgaaggagc acaaggaaaa accttctaaa 360
 gactccagag aacataaaag tgctttcaaa gaaccttcca gggatcacaa caaatcttcc 420
 aaagaatcct ctaagaaacc caaagaaaat aaaccactga aagaagagaa aatagttcct 480
 aagatggcct tcaaggaacc taaacccatg tcaaaagagc caaaaccaga tagtaactta 540
 ctcacccatca cca 553

<210> 1462

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1462

ctgccaagga gacctgttta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
 ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
 gtgtcaacgt agtagttaac aggggtctccg ctgtggatca tcaggccatc cacaaaacttc 300
 atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
 ccactctcca tgatg 375

<210> 1463

09920300.073404

<211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1463
 cctgacattc ctgccttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaatttttg gggggtggta tggagagata atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gagcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgtcgtatag 240
 aatgattggg gatggcctgg atacggtttt ggatgatttg agaaagctaaa tggagataac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttcaag agttaagagt ggcagttttg ggatagcacc aggagatatc ag 472

<210> 1464
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 232
 <223> n = A,T,C or G

<400> 1464
 ccacttcctc aggactaagc agcaaaacct aaaggtctgc ctgcccagac cacactacac 60
 atttgggctc aggcaacgct cctgacactt taacctcatt ccaaagtcag ctcaggctctg 120
 caggaaggca ggcaaaattc cctacacctc atttctggat ttctgcacca cacagctctc 180
 actgtttctg ccaatggtga aaagaccacc aataagctgc tgcccttctc tncccaacc 240
 attcccaact ttcaggccaa agagccgcag gagtttcatt ctgtcctgtc tgtacagatc 300
 attattttcc agaaaaagtg acccatgaag ttggctgggg cggtgtgga gtgttatgtc 360
 atgggacgga ccttgggatg agggcggttaa tccatgggcc cctctgagat cacttt 416

<210> 1465
 <211> 599
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 499, 548, 590
 <223> n = A,T,C or G

<400> 1465
 ccatggtctt caccatga attctccact ctccattttg tgaaagcacc atcctgatca 60
 tccttctctg agacagcagt gaaggtcatg gcgtgggtca taagtgactc accaaaagtc 120
 agcctctccg ctttattcat gttcttcaag gagacaccaa acactaactc atgggtcatag 180
 agattcatgt cactgaggcc cagcttgcta ttgaagtgtt ttccaacatc acagccaaac 240
 cacacagcct ctccatcttt gatggaggca gcaaccatct ttttcaggaa gtcaatgggc 300
 tgggtgttgt atagagtttt tctccctcca accatattgc ttaagtattc cactgtgtaa 360
 agtttggtgt acttggtgctg gggcctaggg tcattcacta aacaaatctt atcttccata 420
 ttgaagagtg gcttgacatg ttccctgtaa aactccaagg gtgttatggg gcccattttc 480
 tgataatttt tatctttgnc tcgatattcc caggtgaatg tctctggtgg attacccaaa 540
 cagatgcnc a cactcgga tatctcctcc atcatgacgt cctgtgtggn cgagaattc 599

09920300-073104

<210> 1466
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1466
 cctaaaagca aactccacag ccaaacccttt cctcctgtct gtcctacaca ccaggaagaa 60
 tcgaaaaagg gaattttcct ttacatagct caagttaaag actttttcat gaaaaagtct 120
 agatcatctc tctactgtga ttgtgtacat ttctaacgtt tatttttatt ttttaactta 180
 atttttgtgg atacatagta ggcgtacata tttctgtggg acatgagatg ttttaataca 240
 ggtgtgaaac atgtaacaat cacgtcatct aaaatggggg acccatcccc tcatgcactg 300
 atcttttgtg ttatacaagc aatccaatta tactctttta gttattttt 349

<210> 1467
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 1467
 gctggctcag ggaagtgtct tcttgccac atttctgtgg ggaaagggtt ttaatcctct 60
 gatgcttcca tcttcctgtt taggccatgt gccagaaac ctggactgat ctttctttta 120
 tagtgaaccc ctgggccact gaagagtaac atggctccac tggacacaaa agagggatgg 180
 aatcaacagg cagggggcct ttataagcc ttaggaaaag aaaatgaaac tatttcatct 240
 ttggactttt caatactatt ggagtgattt ttttctttct aaacagggaa aataatgtta 300
 caaaagcatc ttttttgta tttgtttgca tccctcccc acaccctggg gtttt 355

<210> 1468
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 1468
 cctttacttt attcagtga agtgtctatt tagactaaga ggtatttttag tttcctgact 60
 cgggacatgt tgagtaaagg taatttgcca gtcctgggtg gggcaaacc tccagcctga 120
 tgtgtaggga agggaggggg cctgaataat ccctgaggag tagtagaata gcagatggaa 180
 cactgagaag ttatttcctt gaggatagat ttccacgatg gaaaggaaat gagaggttct 240
 gagaggcggg ctagtggtt g 261

<210> 1469
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1469
 cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
 ggtgtgctgg cctcggacac gaaggcccca gaagtgcgc agccctctat gggcccgaat 120
 cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
 gctgtatttt ccatacttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
 ctggcgtaga ttctgcataa tgggtgatcac acgttccacc tcatcctcag tgagttctcc 300
 cgccctcttg gtgagggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
 cacaccctta atggcagtga tggcaaaggc tattttccgc cgcccatcga tgttgggtgtt 420
 gacctgcc 428

<210> 1470
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 1470
 ctgccttata caccgggagc ttgtgattcc tggcctggcg aagaatgggtg ttccggcgca 60
 tgggtctttgc atatggggtt agcttcaaca tgattctcaa gtttttcagt gggttcttct 120
 ttaggactct gcgatggatc ttcttgctgt gtgctcgaag ggctctttgg atctctgggc 180
 ttttcaagat tctgctaaga tctgtattaa tcatcttgtg catgggaaga ttgtagttac 240
 tcttgaggga agcggcttta cgccaagtgc cgtacaattc atctaacttc cggaaagcac 300
 tttcagtcca aatgcagaaa cgtcc 325

<210> 1471
 <211> 531
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 485
 <223> n = A,T,C or G

<400> 1471
 ctgggccaag taggagaggg aagaggtgat atgagcctcc tctgtgctct gacagagaaa 60
 tgtccaattc cagatcaaag gcatcattgc caccctctcc tctccttcct caaagaaaac 120
 tttctggcct ggagggaaat agttaagaac tgaaaggcca ggggctctgg aggaaaaaaa 180
 ccctctacta ttccacaag gcagtgaggg gtgataagggt tgctagtac agccctgaca 240
 gcttcagaaa gggtaaccac attacctctg ggttaccag catccagagc cccaagggac 300
 ctactctctc cgatatata ttcttgcaat ggactgacct ttttaccac ttgtctctgg 360
 tgggtgggaga gcactctgaa ccagaaacca acaagggaatc cacttcccac ccaacttaag 420
 agtgtatgca cacatgtgga tacacatgca cctccccact actcacacag accccaaccc 480
 ccttnatgtc ttttgagggg ggctcaaact actgggtgcct ggggacacaa g 531

<210> 1472
 <211> 566
 <212> DNA
 <213> Homo sapiens

<400> 1472
 ccagggttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
 gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
 ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc ctctatttgc 180
 tggggtgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
 aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
 agatgacctt caggccatta agaaggagct gaccagata aaacaaaaag tggattctct 360
 cctggaaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
 tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
 gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
 tgataatgaa gatcgggggg atgacc 566

<210> 1473
 <211> 357
 <212> DNA

<213> Homo sapiens

<400> 1473

```
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt ttgcaagac 120
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttggt tctgggttcag 240
cttcaagaaa aagccttggt tgcagtcctt aaaaattaca agctggtagc tgcaccattg 300
tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag 357
```

<210> 1474

<211> 374

<212> DNA

<213> Homo sapiens

<400> 1474

```
ccacaaatgg cgtgggtccat gtcataacca atgttctgca gcctccagcc aacagacctc 60
aggaaagagg ggatgaactt gcagactctg cgcttgagat cttcaaacia gcatcagcgt 120
tttccagggc ttcccagagg tctgtgcgac tagccctgt ctatcaaaag ttattagaga 180
ggatgaagca ttagcttgaa gcactacaga aggaatgcac cacggcagct ctccgccaat 240
ttctctcaga tttccacaga gactgtttga atgttttcaa aaccaagtat cacactttaa 300
tgtacatggg ccgcaccata atgagatgtg agccttgtgc atgtggggga ggagggagaa 360
aagatgtact tttt 374
```

<210> 1475

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1475

```
aaatattgtg aaaacattac agcggaatga attttcgcag tggttaggctc aaatgcagtt 60
acatcatagc aacagtatgt ttgcacaat ttaaggcttt ggctggttct ttagtcagct 120
tcttctctg attcttcttc ttccagcagtt tctaaccagg ttagccactg attcacctgg 180
aacaaagcct tgccttttcc cggaaactct tgggttatat cttctttcca agccaagaaa 240
gcttcttctt caataatttc c 261
```

<210> 1476

<211> 390

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 280, 328

<223> n = A,T,C or G

<400> 1476

```
ccaccaatgg tactgaacct acgagtacac cgactacggc ggactaatct tcaactccta 60
catacttccc ccattattcc tagaaccagg cgacctgcga ctcttgacg ttgacaatcg 120
agtagtactc ccgattgaag cccccattcg tataataatt acatcacaag acgtcttgca 180
ctcatgagct gtccccacat taggcttaaa aacagatgca attcccggac gtctaaacca 240
aaccactttc accgtacac gaccgggggt atactacgn caatgctctg aaatctgtgg 300
agcaaacac agtttcatgc ccacgttctc agaattaatt cccctaaaaa tcaaaaaaaa 360
aaaaaaaaa aaaaaaaaaa ctaccttggc 390
```

<210> 1477
 <211> 385
 <212> DNA
 <213> Homo sapiens

<400> 1477
 aaaaaaccaa tagcagccaa aacagaacat ttgtaaacaa aaccacaact atcagccctg 60
 tgcttaaaca cagaatctgc attcttttga aacattaagt atatgcaata aagagaatat 120
 agaccatctt tttccttaat atacaatacc caatatctaa aacaatgtca ccaataatag 180
 acacaaatcg gtgttatcat aaggcatgtt gaacagtctt tttcacagta ctcaggggca 240
 tcatgttgct gcagaggcca cactttccag aagttttctc ctcgctgcga tcctcgca 300
 ccgggggcac tcggaggact ggaagcactg tttgtgaaag caagccctgc acgctgaaca 360
 tcttctacat gttgctgtct gaaat 385

<210> 1478
 <211> 491
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 350
 <223> n = A,T,C or G

<400> 1478
 aaaaattaat taaagagaaa gagaaaagca acattttaat gccccaggaa ttgaaactaa 60
 cgttttctgt ctcggttgga cccctacgcc catcttttaa acctatataat ggaaaaggaa 120
 atttcaatgc cagatttgat aaaagaatgt gatgtatatg tagctgatga cccactgggg 180
 aacaccagtg ttccagttca cttaccacat ctgtgacagt gtgttttagat tggataaat 240
 gtgatgcatt acttcttatg tttttatcag tgacatgggt gactgtgccc taattctctt 300
 gagggtgcag taagcaatga aggttatctc ctaataggga agcaaaaggn gattgtcaat 360
 tgatagttta atgtttgacc acattagtgt ctttatatga aatagtagag gggaagaaat 420
 tatagaaaac aaatgtgaaa aaaatacacc agtgggtatc tgttctacta aaaccagaag 480
 attgttatga g 491

<210> 1479
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1479
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tgggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg acccaaagggt ggatagtctg agaagctctc agcacacatg 240
 ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttagggcca 300
 tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgc 360
 gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
 tgggttcagga taatcacctg agcagtgaag ccag 454

<210> 1480
 <211> 283
 <212> DNA

09920300.073401

<213> Homo sapiens

<400> 1480

```
ggcgctgggg aagctgaagc agttcgatgc ctaccccaag actttggagg acttccgggt 60
caagacctgc gggggcgcca ccgtgaccat tgtcagtggc cttctcatgc tgctactgtt 120
cctgtccgag ctgcagtatt acctcaccac ggagggtgcat cctgagctct acgtggacaa 180
gtcgcgggga gataaactga agatcaacat cgatgtactt tttccgcaca tgccttgtgc 240
ctatctgagt attgatgcc a tggatgtggc cggagaacag cag 283
```

<210> 1481

<211> 530

<212> DNA

<213> Homo sapiens

<400> 1481

```
aaatttgatg tgaaggaagt atcttaggag aagctaaaaa atacataaat gaacgaagac 60
tggaagaatc ttcaagatgt taaaaactca tataaccaca gaaataaaaa ctccaattgt 120
taaagtcata gtaaagagaa ggaagcaa atcataatagg caaaatataa agataaaatg 180
accactgaaa ggataataaa gattgtgaaa atcaggacac tctcaaacag aaaccaaag 240
cggaagagag atgaaagcaa gagcaaagta agacacaatt tgtacgatca acagaactgg 300
cactaggggtc aagagcagct tcactttgca gaattcatca atttgaagaa cttctgtgat 360
cttttgtgat ggctgtttac aatgaacagt agtttcatct atctctgttc cactaaaaac 420
cactgctttt tccaatatcg tgatcacagt aatgtttaca aagaatcaaa cagaacataa 480
gaaggactaa agatacttct gaaacagata ttaaaaaata ataatgatgg 530
```

<210> 1482

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 393, 402

<223> n = A,T,C or G

<400> 1482

```
ctgccaaagg gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac aggggtctccg ctgtggatca tcagggtcatc cacaaacttc 300
atggatttag ccctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
ccactctcca tgatgaaccg cagcacacca tancaggccc tncgcacagc aagccctcct 420
```

<210> 1483

<211> 233

<212> DNA

<213> Homo sapiens

<400> 1483

```
ccatggaagg cgaatttggg tttgaaattc ctgatataga tgctgaaaag ttaatgtgtc 60
cacaagaaat tgtagattac attgcagata agaaggatgt atatgaataa agtatcagac 120
cctttggctt tgctgagaga ggactcagat gatagtgcg aatgtctggc ggtgaggaca 180
```

catTTTggca ttcttgctga ctctgacaga gtgattctga tggacttgta ttt 233

<210> 1484
<211> 396
<212> DNA
<213> Homo sapiens

<400> 1484
cgcggtgcga cgaaggagta ggtggtggga tctcaccgtg ggtccgatta gccttttctc 60
tgccttgctt gcttgagctt cagcggaatt cgaaatggct ggcggtaagg ccggaagga 120
ctccggaaag gccaaagaca aggcgggttt ccgctcgag agagccggct tgcagttccc 180
agtgggccgt attcatcgac acctaaaatc taggacgacc agtcatggac gtgtgggcgc 240
gactgccgct gtgtacagcg cagccatcct ggagtacct accgcagagg tacttgaact 300
ggcaggaaat gcatcaaaag acttaaagggt aaagcgtatt acccctcgtc acttgcaact 360
tgctattcgt ggagatgaag aattggattc tctcat 396

<210> 1485
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 461
<223> n = A,T,C or G

<400> 1485
aaaagtactt attttgtcac agcagccaag acactaaca ccacctaaat gtccaggaca 60
gttgaatgga taaaataaat gtggtaatat acatacaacc aaatattatg tatccttaaa 120
aaaaatcctg tcatatacta caacatggat gaatcttgag gacattacac taagtgaat 180
aagccagtca cagaaggaca aatattgcat gaatccacta atatcagggtg tctaaaacag 240
taaaactcat caaatcagaa agtaaaatgg tggttaccag gggtcagagg gagacgaaaa 300
ttgggagggtg ctgttcaatg ggtataattt tagtcatgca agatgaaaag ttctagagat 360
ctgctatata acaatgtaca gacagttaac aatactatat tgtaccctta aacatttgtg 420
gaagaaggta ggtctcacgt taagtgtttt ttaccacaat naaaaaatat acagtcattg 480
atacataaag agaaatgagc tgttgggcaa ttttgttgtt atacaaacat gatagtgtac 540
ttacac 546

<210> 1486
<211> 178
<212> DNA
<213> Homo sapiens

<400> 1486
aaaatccaga acttggactc catcgttaaa attatttatg tgtaacattc aaatgtgtgc 60
attaaatatg ctccacagt aaaatctgaa aaactgattt gtgattgaaa gctgcctttc 120
tatttacttg agtcttgtac atacatactt ttttatgagc tatgaaataa aacatttt 178

<210> 1487
<211> 498
<212> DNA
<213> Homo sapiens

<220>

09920300.073401

<221> misc_feature
 <222> 210, 333, 486
 <223> n = A,T,C or G

<400> 1487

```
ccaacatggt aaaatcctgt ctctactaaa aatacaaaaa aattagccgg atgtggtggc 60
gtgtgcctgt agtcccagct actcgggagg ctgaggcagg agaattgctt gaacccggga 120
ggcagagggt gcagtgagcc gagatcacgc cactgcactc cagcctgggtg acagagcaag 180
actccatctc aaaaaaaaaa aaaaaaaaaa gaaaagaaaa aattaattgt aagagattct 240
atgcgtaaac atattggcta aagttaaaat ggcattactg agttttttcc ataaattgga 300
cattggaata aaatcacacac agagttttct tanaacattg ttctgctctg agaaaaactc 360
tgtaaagggt tacaaaatgt ttataaaaaat cttaccttat ggtcaaacta attaaaacaa 420
tagatttata aaatatttaa agctagcttt aacattaaaa atatgcaaat ggaaacataa 480
aatttngttt tctctttt
```

<210> 1488

<211> 355
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 1488

```
aaaataaaaag gagggctaata gtttcatggt gctttatata tcctttctct caatacagaa 60
ccaggaatgt aatttttcta actcaggcag gcaactgata tgatggacac tgcgcgtgca 120
cacacacaca cacacatata cacacacaca cacacacaca cccccctcc ccccaaacaa 180
caaaattcag agtatgtcaa aggaaaaaagg tttgttattg tattgatcaa aaccacgtgg 240
aatcaacacc atctatctta gcttancagg tatgctgttt tgatcttgag tctatattaa 300
tggaatctat tggtgcattc tgaaataaag aattttggat ataccattat gtttt 355
```

<210> 1489

<211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1489

```
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagecgaatc cacctccaca ctgacctggc ctcccacttg gccctcagc 180
gtactgattt cctcctcatg gttctttctt aggtaggcca gctcttcctt cagg 234
```

<210> 1490

<211> 423
 <212> DNA
 <213> Homo sapiens

<400> 1490

```
ccatgtgtgc gccagtgaa aagttttctga acatgggtgc acccctggga gtgggcctgg 60
gtctcgtctt tgtgtcctca ttgggatcta tgtttcttcc acctaccacc gtggctgggtg 120
ccactcttta ctacgtggca atgtacggtg gattagttct ttccagcatg ttcttctgt 180
atgatacca gaaagtaatc aagcgtgcag aagtatcacc aatgtatgga gttcaaaaat 240
```

09520300-073104

atgatcccat taactcgatg ctgagtatct acatggatac attaaatata tttatgcgag 300
 ttgcaactat gctggcaact ggaggcaaca gaaagaaatg aagtgactca gcttctggct 360
 tctctgctac atcaaataatc ttgttttaatg gggcagatat gcattaaata gtttgtacaa 420
 gca 423

<210> 1491
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430, 443
 <223> n = A,T,C or G

<400> 1491
 ttcacttggtg tgcggaactc ctcggaacca tggcgtccct ttcccttgca cctgttaaca 60
 tctttaaggc aggagctgat gaagagagag cagagacagc tcgtctgact tcttttattg 120
 gtgccatcgc cattggagac ttggtaaaga gcaccttggg acccaaaggc atggacaaaa 180
 ttcttctaag cagtggacga gatgcctctc ttatggtaac caatgatggt gccactattc 240
 taaaaaacat tgggtgttgac aatccagcag ctaaagtgtt agttgatatg tcaagggttc 300
 aagatgatga agttggtgat ggcactacct ctgttaccgt tttagcagca gaattattaa 360
 gggaagcaga atctttaatt gcaaaaagat tcatccacag accatcatag cgggttggag 420
 agaagccacn aaggctgcaa ganaggcgct gttgagttct gcagttgatc a 471

<210> 1492
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 1492
 ctggtcagga actctgggag gaaggcggca aagaagccat caaagtcgac tgaggccatg 60
 ttgtagatgg cgatgccaat ctctctctgc agaagatcat gggacttggt gaccaggacc 120
 tggagcagca cgttcacaaa ctggaacagc atggcagtcg ggaagatctt cttgtggtac 180
 agcttctgct tgggtgttgag agtctccaag tagaagagat tttgttt 227

<210> 1493
 <211> 475
 <212> DNA
 <213> Homo sapiens

<400> 1493
 ctgccaagga gacctgttta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
 ttcccacct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
 atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
 agcatgatct tcaccttgat gccacgcaca ccctgtctga gcaacacgtg gcgcacagca 240
 gtgtcgacgt agtagttaac agggctctccg ctgtggatca tcaggccatc cacaacttc 300
 atggatttag cctctgtcc tcggagtttc ccagacacca caacctcgca gcctttggcc 360
 ccactctcca tgatgaaccg cagcacacca tagcaggccc tccgcacagt aagccctcct 420
 aggagtttgt aacgcagaga ctctgcctgg gcaatggcac acagacctct agtgg 475

<210> 1494
 <211> 480
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 400

<223> n = A,T,C or G

<400> 1494

```

aaacagagaa tatatatattt aatacatcgt ttaagtttat gattaattat ctattactga 60
ggataagaat ctttgcctgt gctcattcag catttgcact tcatttatga tctgccttct 120
catagcttct gttaattttt atactagaga catttatttg tttgtataaa tgttgaaggt 180
ttttttttgt tgttgttgtt tttgagtcag agcctcgctc tgtcaccag gctggagtgc 240
agtggcatga tctcggtcga ctgcagcctc catctcctgg gttaaagtga ttctcctgcc 300
tcagcctcca gagtagctgg gactacaggc atgtgccacc aagcaaggct aatattttgt 360
atttttagta gagatggggg ttcgtcctgt tagccagggn ggtctcgatc tctgacctc 420
atgatctacc tgcctcgggc tcccaaagtg ctaggattac aggtgtgagc caccgtgccc 480

```

<210> 1495

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 304

<223> n = A,T,C or G

<400> 1495

```

cctttagtta ttttgtctct tgttgctgga gcccatccac tgtctgacat catagccatg 60
ggcaagagga tattgccttg gctctgtctg agtgctggat tgtgaccggc cataagtagc 120
ctttgcaaag gaagctaata gacagtgcct gaattaaggg tgcttaccct atcctagaaa 180
gcgttaaaagt caaagcggaa aatatacatg gtacccaaaa tcaaggagac tgccagagac 240
cagcagggga tctaagggat ttaccactgg gttagcacag aactacact tgaagatttc 300
ctancggctg ctgctgctgt ttccatgata agaattcagt gagacaaaga acctgccaaag 360
ctcattaacc gagtagcagg aagagctact gtgtagcctc tgggtgttccc caactgactc 420
agccctgcag atgggacatc ctgtaggtca tgtgaatatc aagttactga gggatgttct 480
caggacaagc ctagcat 497

```

<210> 1496

<211> 423

<212> DNA

<213> Homo sapiens

<400> 1496

```

gcttccattc tgggtggcaac cggggctcgtg gtcggggagg aaaaagagga aaccagtcgg 60
ggaagaatgt gatggtggag ccgcacgcgc atgaggggtg cttcatttgt cgaggaaagg 120
aagatgcact ggtcaccaag aacctgggtc ctgggggaatc agtttatgga gagaagagag 180
tctcgatttc ggaaggagat gacaaaattg agtaccgagc ctggaacccc ttccgctcca 240
agctagcagc agcaatcctg ggtggtgtgg accagatcca catcaaaccg ggggctaagg 300
ttctctacct cggggctgcc tcgggcacca cgggtctcca tgtctctgac atcgttgggtc 360
cggtatggtc agtctatgca gtcgagttct cccaccgctc tggccgtgac ctcatctaact 420
tggt 423

```

09520300.073401

<400> 1497

<400> 1498

 $\langle 220 \rangle$

<400> 1499

<400> 1500

aaaaatccttc agaatacatt tatgaaccaa tgcgactgga cttagccaca cacaatggaa 60
 attcagacct tgactatttg gtgtttccag ttcacaaagg tgatgaagac tgtcttggga 120

gcagcttaat cccaaaattt gtacatttct tgctgctcct ggcgaggaaa ctttaagtga 180
 accaccaa atcattgggtcc tgtccaattc tactgaatgg gggaggacct ggcatttatc 240
 tgg 243

<210> 1501

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 492

<223> n = A,T,C or G

<400> 1501

ccacatcaaa agaactcactg ataatgacat ccagtcacctg gtgctagaga ttgaagggac 60
 aaatgtaagc accacatata tcacatgccc tgcagacccc aagaagacgc tgggaattaa 120
 acttcctttc cttgtcatga ttatcaaaaa cctgaagaag tattttacct tcgaagtga 180
 ggtactagat gacaagaatg tgcgtcgtcg ctttcgggca agtaactacc agagcaccac 240
 ccgggtcaaa cctttcatct gcacatgcc catgcggctg gatgacggct ggaaccagat 300
 tcagttcaac ttgccagact tcacacggcg agcatacggc accaattaca tcgagaccct 360
 cagagtgcag atccatgcaa attgtcgcat ccgacgggtt tacttctcag acagactcta 420
 ctgagaagat gagctgccgg cagagttcaa actgtatctc ccagttcaga acaaggcaaa 480
 gcaataactg gnattgtgac tcgagggata gacccccctg atgtgactct tcttttt 537

<210> 1502

<211> 176

<212> DNA

<213> Homo sapiens

<400> 1502

ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcaagtga gcaaacgcga gtgacccagt caccctggat 120
 gtccctctatg ggccggacac ccccatcatt tccccccag actcgtctta cctttc 176

<210> 1503

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1503

ctgtcaaaagc catcatatat cagtatatgg aagaggtggg tttttattta actacttga 60
 taattttag ctacttttat gatgtagtaa tgcactgtt taaccagggt tggatattag 120
 atgactctaa caattcacta tcctgtggcc taaagagaca ggaattgata tcctttataa 180
 ggaaaaaagt ctattcacag gagccgagca gattgtcac tgctgtgtag taccctgggtg 240
 agaggagata aatggagcaa ggctgtagggt tggagcccct cagtagaatc atagattttg 300
 agctgcaaga tgatgcagga ggccaaccaa gcttcttgtt gctgggtgagg aatgtgaggt 360
 tgaagcttgt ctgtgctgat gcagtgcgtg attgagtga tctctggctc ccgtccatgt 420
 gtccctgacac ccagtcctgtt actttcatta tgcca 455

<210> 1504

<211> 266

<212> DNA

<213> Homo sapiens

09920300-073101

<400> 1504

```
ccatggcctag gtttatagat agttgggttg ttggtgtaaa tgagtgaggc aggagtccga 60
ggagggttagt tgtggcaata aaaatgatta aggatactag tataagagat cagggttcgtc 120
ctttagtgtt gtgtatgggt atcatttggt ttgagggttag ttgattagt cattgttggtg 180
tggtgattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266
```

<210> 1505

<211> 195

<212> DNA

<213> Homo sapiens

<400> 1505

```
ccagtttacc ctgaaaattc ccgtgagaag ggagatggcg gtagcagcga cgtgcccacc 60
tgtgatttct ggggcccttc ttttctcttt gctgggttcag ggactcaagt ccaggccaat 120
ttgactcaaa gtccaaggga gaagagaaag aggggggtgg ggagtgccaa attcctttat 180
tttgccaatt gtttc 195
```

<210> 1506

<211> 470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 383, 385, 409, 411, 421, 447, 458

<223> n = A,T,C or G

<400> 1506

```
aaaatattaa cagtcaggca gggcgcggtg gctcatgccg taatctcagc cactgaggag 60
gctgcggcag gagaattgct tgaaccacag aggtggagggt tgcagtgagc caaaattgca 120
ccactgcact ccagcctggg cgacagagca agactctgtt tcaaaaaaaaa aaaaaagatt 180
taagatggta aattcgatgt tatgttcttt accacaatat ttttcttaaa ggataactaa 240
aaaaatcaga gttataaagc tatccaaaaa ttaccttcaa atcacaaaat tgtttcacat 300
agagaaaata caaattcatc aacaaacaca cagtaaaact aagattatnt tcctgactac 360
tcacctgaca agataaaaaa acntnaaaga tcagcccaga aaaaatatnt nagataagct 420
ntgaacaaag ttgggggtcat atttatngac aacatgcnca ttcatatgtg 470
```

<210> 1507

<211> 398

<212> DNA

<213> Homo sapiens

<400> 1507

```
ctgctggagt cggaactgct gcctttgttt ggcggccttg tttcttaaat cagttccctc 60
ttaggattta ttactactaa aaaaaaatta gtttttgaaa agaaatagga gaatacagaa 120
acatgaattt cagcaggcta tcatctaaca gtggggggtt tctacacacg tggtgccaaa 180
aatgtgtcat tctgagtcaa ttgcaattcc tctctaggag tgaaaagaga taaaagataa 240
gccaagaacc ctggacagat tcttggtgtt ggtgacaaag aggaaaggac ctgagaatgg 300
ggctgggtgg gagagggggg gtgtctgtct gataccagga ggacaaggac cactcccacc 360
tgcaggggtg cccaggacct agttgggctc ggcctcag 398
```

<210> 1508

05920300.073404

<211> 483
 <212> DNA
 <213> Homo sapiens

<400> 1508
 aaaaaggaaa aactaaaagg gactgcctgc tttttttact gtaaacacag ccctggatat 60
 taaatcccaa acaggaatct ctcaggcatc agagagtgtc aagtgagtca ggaataacac 120
 aaaataaagg aatgggggag aaaataaaaa aaaaacaaag caaaattaaa ataaatgtca 180
 gtcactttga ggaactatac ttacgtatat gatgttatga gaatctggca gggcctagaa 240
 gcaggccaaa caggaagtgc atttatccaa ccgaagagga tcatgttcat tgcttccggt 300
 tttgaggaca ggatattgta gggaacttga tatgatcaat aacgcttgct tgccttacac 360
 agaccttagc cagggatcag cctaattctg aagaatcatt caaataattt tggcaattat 420
 tataaggact tagaactgac tgcacccagt gttcagtgat tcttgccttc tgttttgtta 480
 ctg 483

<210> 1509
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1509
 ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
 ggtattaggg ataataattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
 ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
 atatcacgaa cagcaaagcg 200

<210> 1510
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 1510
 ctgtggcctc tgccacccca tgggtgccag tcttaagttt cagagcatca ctggtactca 60
 ccctggtcct gcagctcctg ggcccagaga caggatttcg tgttagcctc ctcgtactgt 120
 gctggggtga tgataaaact aacaaccacg gctggacgca gtggctcaca cccgaaatcc 180
 caacattttg ggaggccgag gtgggtggat caactgaggt caggagtctg agaccagcct 240
 gg 242

<210> 1511
 <211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 455
 <223> n = A,T,C or G

<400> 1511
 gagatcatct gctccagaac caaccaggag ctgcaggaaa ttaacagagt ctacaaggaa 60
 atgtacaaga ctgatctgga gaaggacatt atttcggaca catctggcga cttccgcaag 120
 ctgatggttg ccctggcaaa gggtagaaga gcagaggatg gctctgtcat tgattatgaa 180
 ctgattgacc aagatgctcg ggatctctat gacgctggag tgaagaggaa aggaactgat 240
 gttcccaagt ggatcagcat catgaccgag cggagcgtgc cccacctcca gaaagtattt 300

09920300.073101

gataggtaca agagttacag cccttatgac atgttggaag gcatcaggaa agaggttaaa 360
 ggagacccgg aaaatgcttt cctgaacctg gttcagtgc ttcagaacaa gccctgtat 420
 tttgctgac ggctgtatga ctccatgaag ggcangggga cgcgagataa ggtcctgac 480
 agaatcatgg tctcccgcag t 501

<210> 1512

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 525

<223> n = A,T,C or G

<400> 1512

aaatgaccca aaactattaa taggtatatt aagcaataat tattaataaac agaagtgcga 60
 catcacctgt ctttcgccct gactctccaa atgaacataa agacacacca aaaggctggg 120
 aacagagcta gctgggacaa tcaactgcac tatagaacag ccaatacctt gaaaaactag 180
 gcacaagtac atgaggaatt cttatcaaag atcatgcaca atccatgccca cttaaatggg 240
 ttttagctga ggttttgctc atgttactct gaatttctaa ggacagatca gtgacctct 300
 tagcctgagc agaaagcata ttcttcccac tgcagtttcc tacacaattt agtcctgatt 360
 agatgaggca ttatagcagc acctgaagta gagcctccag aatccactgc ctttttcac 420
 aaaggctatt tggttccacc ctccaggattg gcatactcac gagacatttc acaatcctaa 480
 tgcatacttt aggttactta attaaccaag caatatgctc tgtcnaagaa cttatttcaa 540
 gtcaaagcaa aaaagg 556

<210> 1513

<211> 290

<212> DNA

<213> Homo sapiens

<400> 1513

ccagtgcaga aacgttttaaat agaaataaaa aggtctgcat agagccgagg ctccggagcca 60
 cccctctgcc gcacatccag tacagagagg attctataaa gttcacactt tttcattaag 120
 tagtagtaga aatacggtag ggccctgaga ctggcctggg gagcaggagg aggccgctgg 180
 gcgcttccac tctgcaggcc ggggctgaaa taacccgagt tccgttctca cagaaagggtg 240
 cggctgccac ctcttgacac agaggccgga tgggcagggtg tctcagatgg 290

<210> 1514

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1514

ctgtggggag aggcgcgctc ctctgatggg gtctcgatgc tgctgctctg ttctgggtct 60
 ggcacgtcct cctcttcctg ctccaagctg aagttctacc tcgagctcct gaaaaatctc 120
 atccatgaag tcttgggagt tctgtttgta agacacagct aatcgaattg catcattgaa 180
 gagcttcaca acattggtag catcagcagc cgagacgaaa tacaggggca gggagaactt 240
 cttggcaaaa ttgaagcttt tttgggtcac gtttatgtct gcatcaattt tattggccag 300
 gctgggtctt aactcctgac ctagttaatc acctgcctcg gcctccaaa gtgctgggat 360
 tacaggcgtg agccactgca cccagccaga aatgccgtct aatctttggg ttatcttaat 420
 tagccaggac acttggagtg catcccgaag t 451

<210> 1515
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 60, 103, 104, 129, 133, 260, 265, 266, 306, 313
 <223> n = A,T,C or G

<400> 1515
 ctggcaagag acttcctgag gcacatcagc tacgttggtc aatttagggc acggtctggn 60
 tctgcagctt tgaaagggtg attcttttcta ttagcacact ttntaagag ggattgtaaa 120
 ggattaacnt cantcaccag aaacgaaaca ccacttcaga aattcagaga cctctgatca 180
 acagaacaga catttgggct ttaactgcta aagcagctac ctacttgggg aaaccatggc 240
 attctgctgc ctggacagcn ggaannaaga gagatttcag agttactggc acgaggacaa 300
 agcctntcag ctngct 316

<210> 1516
 <211> 314
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 269, 293
 <223> n = A,T,C or G

<400> 1516
 ccatggcact ctgatcatgg ttatatccaa gaaagcataa aataaccaat gtccctgatat 60
 gcaatctgga tgtgcagcat ttacagcaaa caacataaaa agaaagaaag aagaatggaa 120
 aagtaaagaa gaaaaaaacc accacaaagt cccaaacctc agaaattaac attcacttaa 180
 gaacacagtg gtgaagactt ttggtagcaa aatttgcacg gttcttaaaa tgggagtctt 240
 naaaagtact tcttcaaatt caaaagctna gaaaaccaa gagggaacag ttncacaggc 300
 ttagtgagga tgcc 314

<210> 1517
 <211> 357
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 332, 354
 <223> n = A,T,C or G

<400> 1517
 aaagatttct gttaatttga aagaacaaaa acaagacaga acttctggta ctctaatacag 60
 gatgattcct aacaagtcag tcatttgtga acttagtgga ctttttgggt actttaattt 120
 gcatatattc tccagttaca tcggactcta tctgtggcct tgttcttcat ttcagtgtta 180
 atcagctaaa cagaagttgt tgcttatgat gtgtgagtga acatatgcca ctgcctggcc 240
 ttttttctt cagagcttgt tgtctttttc gctataattag actttgcagt atgcccagaa 300
 gctttccttc ataaaataga aagaanaaaa cntttggctt attttctact gtancta 357

09920300-073104

<210> 1518
 <211> 534
 <212> DNA
 <213> Homo sapiens

<400> 1518
 cctcgggtgga gacgcagacc ccatgaagag gaaaccctgg acatccctgt ccagcgagtc 60
 tgtgtcctgc ccccagggat cgctgagccc tgcaacctcc ctaatgcagg tctcagaacg 120
 gccccgaagc ctccccctgt cccctgaatt ggagagctct ccttgatgcc ctctgttagg 180
 gcccacccca atcccagggc agaaggacat gagggagcaa agagcttgag gaatgccata 240
 ctccggctgg tccgggacat ggaaattcgg actcagggag gacccgggct gggcaatgac 300
 tgggagactt gcccgggttc ccaggacttg ggggtcctga ctcccagccc tcatcctgcc 360
 ttaccctctt gttcccagcc ccagccttcc taagccattg ggaatagaat ggcccctttt 420
 gttctggtgt ctagggtga ttgtgccaaa gctcttattt ccagtgccaa gccccagag 480
 gcttgtaaga gttgggatga gggatggaga gggactgggt ctctgggaac aggt 534

<210> 1519
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 1519
 ctggatcttt ccggggattc agtcaagacc atcgccaagc tatgggatag taagatgttt 60
 gctgagatta tgatgaagat tgaggagtat atcagcaagc aagccaaagc ttcagaagtg 120
 atgggaccag tggaggccgc gcctgaatac cgcgatcatg tggatgccaa caacctgacc 180
 gtggagatcg aaaacgagct gaacatcatc cataagttca tccgggataa gtactcaaag 240
 agattccctg aactggagtc cttgggtcccc aatgcactgg attacatccg cacggtcaag 300
 gagctgggca acagcctgga caagtgaag aacaatgaga acctgcagca gatcctcacc 360
 aatgccacca tcatggctgt cagcgtcacc gcctccacca cccaggggca gcag 414

<210> 1520
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 148, 193, 196
 <223> n = A,T,C or G

<400> 1520
 ccaacagtgt atccatcacg ttagccctgc tggagggaag ggaccacat tcacctgccc 60
 tctgacctgc cccttgatcc catatctatt accgtgtcca taggaataat aggtaagggc 120
 tctgtctctg tcaagccatg taacaaanga cactgttaaa aaaaagaaac aaagtctggc 180
 atcagagggg gcntgnggag agc 203

<210> 1521
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408, 439

09920300.073401

<223> n = A,T,C or G

<400> 1521

```
ccggcggtgg ggctggacgc aggtgcaact gacatgggtg aaccccaggg atccatgcgg 60
attctagtga caggggggctc tgggctggta ggcaaagcca tccagaaggt ggtagcagat 120
ggagctggac ttcttgagga ggactgggtg tttgtctcct ctaaagacgc cgatctcacg 180
gatacagcac agaccgcgc cctgtttgag aagggtccaa ccacacacgt catccatctt 240
gctgcaatgg tggggggcct gttccggaat atcaaataca atttgactt ctggaggaaa 300
aacgtgcaca tgaacgacaa cgtcctgcac tcggccttcg aggtgggcgc ccgcaaggtg 360
gtgtcctgcc tgtccacctg tatcttccct gacaagacga cctaccnnga tagatgagac 420
catgatccac aatgggcnnc cccacaacag caattttggg tactcgtatg ccaagaggat 480
gatcgacgtg cg                                         492
```

<210> 1522

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 388, 389

<223> n = A,T,C or G

<400> 1522

```
ccacctggag acggtgattt tgggcctatt gaagacacct gctcagtatg acgcttctga 60
gctaaaagct tccatgaagg ggctgggaac cgacgaggac tctctcattg agatcatctg 120
ctccagaacc aaccaggagc tgcaggaaat taacagagtc tacaaggaaa tgtacaagac 180
tgatctggag aaggacatta ttccggacac atctggtgac ttccgcaagc tgatggttgc 240
cctggcaaaag ggtagaagag cagaggatga ctctgtcatt gattatgaac tgattgacca 300
agatgctcgg gatctctatg acgctggagt gaagaggaaa ggaactgatg ttcccaagtg 360
gatcagcatc atgaccgagc ggagcgtnnn ccacctccag aaagtatttg atagggtacaa 420
gagttacagc ccttatg                                         437
```

<210> 1523

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1523

```
ctgctgcagc tccccagggg ccagccccgc ctctgcgtct gggtctccat cccaagacca 60
ttcacccctcc gagttgctgc tgtcctcctc gccctcctcc tcgtcctctt catcgtcttc 120
caccccatgc cgagtgtca ggggcctcag tatccctctc tccgagaatc cctcgggtgc 180
gtcctcttca gagctgttca ggtcaaagag gtctttaaat tgcttctgt cctcatcctt 240
cctgtcagcc atcttcttc gtttgatctc agggaagttc aggtcttcca gccgctcttt 300
gccactgatc tccag                                         315
```

<210> 1524

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1524

```
agcgggtgaa gaaattagaa gaagtggaaa ggaaaaaacg ccaaagggag ttggaaattg 60
aagaacgaga acggcgtaga gaggaagaga gaagacttgg cgatagttcc ctttctagaa 120
```

05920300-073194

aggactctcg ttggggagat agagattcag aaggcacctg gagaaaagga cctgaagcag 180
 attctgagtg gagaagaggc ccgccagaga aggagtggag acgtggagaa gggcgagatg 240
 aggacaggtc tcatagaaga gatgaagag 269

<210> 1525
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 1525
 aaaaaccatg gcattcctta agattgcaga tctcaaatta tagtaaaata agttgagttt 60
 aagaaaatga agagtataag ttigattagg gatggagggt gagaggagct tgccagatgg 120
 gccatatcat aataggcttt atattctttg caaaagcaat tggattttat ctgttagtca 180
 atggggagca aattaaaaga ttttaagtgg tgtgtattct aaaaagatca ctgtgggatg 240
 ggtggctggc aggggatggg aggatgaaga aaagtgggt aatgggggcc gggcacggtg 300
 gctcactcct gtaatcccag cactttggga ggccgaggcg ggcggatcac cgaggtcagg 360
 agatcgagac catcctgggt aacatggtga aaccccatgt ctactaaaaa tac 413

<210> 1526
 <211> 441
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408
 <223> n = A,T,C or G

<400> 1526
 ccatgctggg ggaacagttc atggttgggg aggagatctg tggggctgtg gtgtctgtcc 60
 gctttcagga agacattatt tcaatatgga ataagactgc cagtgaccaa gcaaccacag 120
 ccgaatccg ggacacactt cggcgagtgc ttaacctacc tccaacacc attatggaat 180
 acaaaactca caccgacagc atcaaaatgc caggcaggct gggcccccaa aggctccttt 240
 ttcaaaacct ctggaagcgg cggttgaatg tgccatgacc ctctccctct ctggatggca 300
 ccatcattga agctggcgtc atcggagtct ctgtttctgt tggcgtgcta cctggaagat 360
 ccttctgtcc tggacaagag gaattggaag agcattttat gttttaanga acaggctgac 420
 acgcagcagc tacaacaaca g 441

<210> 1527
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1527
 ctgcagcatt acatgaaaga aagcgcccag cttctgtcgg aaaaaatcgc gttcaaaacc 60
 tcggatttca gccgaggctc tctaattgcc aagcccaaag ttttcacttg cgaagtgtgt 120
 ggaaagggtct ttaatgcgca ctataactta acccgtcaca tgccagtgc caccaggagcc 180
 agacccttcg tttgcaaagt gtgcggaaaa ggtttcaggc aagcaagcac cctgtgcagg 240
 cacaagatca ttcacacgca ggaaaaacct cacaatgta accagtgtgg caaagcattt 300
 aatagaagtt ccactttaaa cactcatacc cgaatacacg cgggctacaa accgtttgtg 360
 tgtgaattct gtggcaaagg gtttcatcaa aaagggaatt acaaaaacca caagttgacc 420
 cacagcgggg agaagcagtt c 441

<210> 1528

05920300-073494

<211> 467
 <212> DNA
 <213> Homo sapiens

<400> 1528
 ctgactttgt cgaacaagtg aatccctctg aaataacgct tccacaactg ttttttact 60
 ggcattaaca gcagtaactg cgaatacact ttctcttct aatgcagact gtattctgtc 120
 tctatacaaa gaagccagca gcctccatgt gaccatctcc tgttgaagaa gccagagcat 180
 actggctgtt tttgaaaatt tttgaagtcc aggtgttgct cgactacta ttttactcag 240
 tatattcacc tgactaccac agatgttttc atactcttcc acaagatcaa aaactgtact 300
 cgaagagtgc ttcagaaaag actgcaggaa atcagaaaac atactcatgg atgcagcttc 360
 tccaggatca tcttcacgta acataacagc actgatagtt acatcttctg ttatactgtg 420
 gggctctgtg tttgtgaaca gcccggaacg ctgtgatgaa aatgcag 467

<210> 1529
 <211> 266
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 257, 262
 <223> n = A,T,C or G

<400> 1529
 ctggcttcac tgctcagggtg attatcctga accatccagg ccaaataagc gccggctatg 60
 cccctgtatt ggattgccac acggtccaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
 agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctgggtg 180
 atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
 atccaccttt gggtcgnttt gntggt 266

<210> 1530
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 290
 <223> n = A,T,C or G

<400> 1530
 ccaggctggt ctggaactcc tgaactcagg tgatccgccc acctcggcct cccaaagtgt 60
 tgagattaca ggcatgagcc acgtgcctgg ccagtcacg ggatttaggg tccaccctaa 120
 tccatgataa cctcatgtct gtctacaaag accctatttc caaataagcc catattctga 180
 ggtgaattct cagaatatga attctcagaa tatgaatatg aattctcaga catgaattct 240
 tgccagacac tactcaatcc agtggagcag gggagctggg actctcccn gatggcaata 300
 gggagccaca gaggtgtgtg gagcaggggc agaagtgaggt cagatgtgcc tgtcagaaaag 360
 ccctgcagcc ccatctcatc cagg 384

<210> 1531
 <211> 485
 <212> DNA
 <213> Homo sapiens

0990300-073101

<400> 1531

```
tactgtggct agccgccttt cagacactaa agctgctggg gaagtcaaag ccttggatga 60
cttctataaa atgttacagc atgaaccgga tctgagctttc tatggactca agcagggtga 120
gaaggccaat gaagccatgg caattgacac attgctcatc agcgatgagc tcttcaggca 180
tcaggatgta gccacacgga gccggtatgt gaggtcgttg gacagtgtga aagagaatgc 240
aggcaccgtt aggatattct ctagtcttca cgtttctggg gaacagctca gccagttgac 300
tggggtagct gccattctcc gcttccctgt tcccgaactt tctgaccaag aggggtgattc 360
cagttctgaa aaggattaat gattgaaact taaaattgag acaatcttgt gtttcctaaa 420
ctgttacagt acatttctca gcatccttgt gacagaaagc tgcaagaagg gcactttttg 480
attca 485
```

<210> 1532

<211> 562

<212> DNA

<213> Homo sapiens

<400> 1532

```
aaagcaacaa agtaaaataa aatcccccaa atgacaaggt atcagaaatc cagacttcgt 60
tacactctat ttgtgaaaat gttcagccat tttattgttc tgtaaaggaa ccatcatctg 120
gggtcaaaaat gaattctata aatcaaagaa tattctacac cttggaaaag aaaatcagca 180
gtaacattct cactgaatat tgtaaattac atttttcttc ataaaaggta catactattc 240
tgcacttttc caccaaaaagc agtgggtgtgt tatgcttgtt atataaaaaa agttatatcc 300
tgtggcagga aaaacccttt ctctttcact ttactaaac aactggagaa aatgttcaag 360
tctgtataaa gttgcctata agctggaaaag tgaacttgtt caatctccat ttacatttta 420
gtgcattttt tgacaattgt cacattttta acaaaaagtaa gaaaatgcat atagcactaa 480
agagtgtttc atcaaatgct taagggatta aaaaatatgg agcagagaac aaaatcattg 540
tgaatggatg aactgttgta aa 562
```

<210> 1533

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1533

```
cctcggtggg tcttgcgggg cagcttcttg gtgtgccaac gactggtgac ccctttgtag 60
cctttgccct tggtcacccc gatgacgtcg atcatctcat cctgccc aaa cacttggttc 120
acaggtagct gctgctcaag cctctcgcg gcccagtgcca gcttctcggc cacagtgcct 180
ccgttcacct ggatctccat cagggtgggccc ttcttctggc gcagaggaag caggcgcatc 240
tgggtgtggg caatgacacg gatgacttgg cagtacttct tcatgctgct gaagtccttc 300
tccag 305
```

<210> 1534

<211> 348

<212> DNA

<213> Homo sapiens

<400> 1534

```
ccaaagtgga acagggtgaag ttctgatgcca catccatgca tgtcaagcct cagggtggctg 60
cccagcagaa gatggtagat gatgggagtg gggaagtgcg gggcagccag gccagccaag 120
atgaaattac agcatcagct tatcaagccg tcatcctgga ccagaagtac aatgggtgaac 180
cagtccagat ccgggtccca atgggcaagg agccacctca tcttatgtcc atcttcaagg 240
gacgcattgt ggtctaccag ggaggcacct cccgaactaa caacttggag accggggcct 300
ccacacggct gttccaggtc cagggaactg gcgccaacaa caccaagg 348
```

09920300-073101

<210> 1535
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1535
 cgaaagggga gttcaaggag acggggggcga cgcggtctgag ggcttctcgt cgggggtcggg 60
 gctgcagccg tcatgccggg gatagtggag ttgcccactc tagaggagct gaaagtagat 120
 gaggtgaaaa ttagtctctgc tgtgcttaaa gctgcggccc atcactatgg agctcaatgt 180
 gataagccca acaaggagtt tatgctctgc cgctgggaag agaaagatcc gaggcggtgt 240
 ttagaggaag gcaaactggt caacaagtgt gctttggact tctttaggca gataaaacgc 300
 cactgtgcag agccttttac agaattattg acttgcattg attatactgg 350

<210> 1536
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1536
 ccacggcgct tggaaatcctg gttgttgctg gatgctcttt tggatatctcc taatcgcaaa 60
 aaaagtgaca gcctgaagca gccacaaaat cctgtgttag aagcag 106

<210> 1537
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1537
 cctgggtctcc acgagctccg tgtcctgggt ctgggtcctcc ccatcccgcct gccagggtcag 60
 tgtgatctcc gcagggtaga agcccagggc ccagcacctc aggggtggcct catggtcaga 120
 gatggggtgg tgggtcatat gtgtcttggg ggggtccgtg cgctgcagcg tctccttccc 180
 gttctccagg tatctgcgga gccactccac gcacgtgccca tccaggtagg ctctcaactg 240
 ctccgcctca tgggcccgcct cccacttgcg cttgggtgatc tgagccgcca tgtccgcccgc 300
 ggtccaagag cgcaggctct cgttcagggc gatgtaatcc ttgccgtcgt aggcgtcctg 360
 ccggtacccg cggaggaagc gcccgctccga cccacgctcg cagccataca ttatctggat 420
 ggtgtgagaa ccggcctcgc tc 442

<210> 1538
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1538
 ctgaagagtc aacttggggc tggaggactg ataaagtgtt tgattttgag ggctctctaaa 60
 agtatttaaag cagcagcagc cgctgcacgc agacatgagg gctaggctaa aacagtaagg 120
 tcaagttgtt tggacagaaa ggctacaggg tgtggtcctg gctcttgtgt aagaattccg 180
 accacgctaa ccatgcctag gaaggaaaag agttgttgtt ttgtagaagg tgcgtggggtt 240
 tgagagatca gtcggacacg attggcaggg aaagcacgtg tgcttttacg agaattacgc 300

cgagataggt aacagatgag gaagaaatct gggcttgact gaagtaatgg gggctgtctg 360
tgaagctttg cagcagtaca gcccaggtaa tttgctgagc ctanggggtg tcagggtcag 420
tct 423

<210> 1539
<211> 465
<212> DNA
<213> Homo sapiens

<400> 1539
ccaccattat gtctgggtca aaggccaagg tccggaaagc gctgcaatta gaagtggatc 60
ggttggaaga actgaaaatg caaaacatga agaaagtgat tgaggcaatt cgagtggagc 120
tggttcagta ctgggaccag tgcttttata gccaggagca gagacaagct tttgcccctt 180
tctgtgctga ggactacaca gaaagtctgc tccagctcca cgatgctgag attgtgcggt 240
taaaaaacta ctatgaagtt cacaaggaaac tctttgaagg tgtccagaag tgggaagaaa 300
cctggagggt tttcttagag tttgagagaa aagcttcaga tccaaatcga ttacaaaacc 360
gaggaggaaa tcttctaaaa gaagaaaaac aacgagccaa gctccagaaa atgctgccca 420
agctggaaga agagttgaag gcacgaattg aattgtggga acagg 465

<210> 1540
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> 7, 138, 182, 183
<223> n = A,T,C or G

<400> 1540
acctctngat gtcaccatgg agacatcaag aggtcatgat tgcagaagag gtgactggaa 60
ttgaatgaca tgatccaggg gagggcggcc acaaatgcag taacatgacc aggatgggcc 120
ggtggggctg gtcaggtnac agtgtgaggg acagaacgga ccccttact ctggcctcct 180
gnnggtctcc aggtgtgaca ggatccagcc cgctggcagg aggaaggtca cgaagcagga 240
ggtaagccca acggccaatt ccatgatccc aagcttcccc tccggcggca acgaat 296

<210> 1541
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> 27, 75
<223> n = A,T,C or G

<400> 1541
ttttttttt ttttttttt ttttttngat gttaatgact ttactttgag atatgatgga 60
aaaatattac aggtncacat ggaaaagaca tgatcaccaa gtgaaaacaa tctaaccaga 120
aagctttaac atctgtcagt taa 143

<210> 1542
<211> 430
<212> DNA

09920300.093401

<213> Homo sapiens

<400> 1542

```
ctgagagcac tgactcaggc ggggcaccct caccaagtaa gcagggggca ttcagcatgc 60
cctctgggtc tgaccagag agaggggact gaaaataaac cctcttttgc tctgtggctg 120
gccactggc tcaacatgag cgcttggctt ggctgtgcct catgagagag ggagggagag 180
agaggctttc tgggccagag atgtttctgg gagggtttgc cagccttgtc ttgagccatc 240
agtgtggcag gggagcacag ggggtgtagg ggagacactg cggaggccac gtgaaagtgg 300
cagctagctc tactttcaaa agagaagcag tggttcagtg accctgagca ttctgtgtgc 360
aggagggagc tgccctggaca gcaagtcatc actgcctctg aatacacaca aaggaggctg 420
cctgtccagg                                     430
```

<210> 1543

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207

<223> n = A,T,C or G

<400> 1543

```
ctggaagaac aattaagaat aatggatcag accttgaaag cattaatggc tgcagaggat 60
aagtactcgc agaaggaaga cagatatgag gaagagatca aggtcctttc cgacaagctg 120
aaggaggctg agactcgggc tgagtttgcg gagaggctcag taactaaatt ggagaaaagc 180
attgatgact tagaagagaa agtggcncat gccaaagaag aaaaccttag tatgcatcag 240
atgctggatc agacttttact ggagttaaac aacatgtgaa aacctcctta gctgcgacca 300
cattctttcg tcttgttttg ttttgttttg ttttt                                     335
```

<210> 1544

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29, 397, 398

<223> n = A,T,C or G

<400> 1544

```
aaattttaga aaacctgtat aaattactng tgcataactt aaagattatt ctgccttttg 60
ctaattgagt aattcccctc cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctattt caggccaatg agcctttttc tttctacact gaagattttc ttcttattta 240
atgtggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtgggttt gatcgatata ttaggggtag ctcttgnntt ttgttaacat taagataagg 420
tgactttttc ccccttgctt ttaggattaa aatcaaagat acttctatat ttttatcact 480
atagatcata gttattata                                     499
```

<210> 1545

<211> 95

<212> DNA

T07E20"09E02650

<213> Homo sapiens

<400> 1545

ctgcatgatg aagttcactg tcaaggactg tgatcccacc actggggaga ctgatgacga 60
aggctatgag gatgagtatg tgctggaaga tctgg 95

<210> 1546

<211> 460

<212> DNA

<213> Homo sapiens

<400> 1546

ccttgccgct gctaggaagt ggcacatctt cctgctcagg gcaccaaggt ggttcagaaa 60
cgtaaaggac gagccacagc gaaaagccgc agtcctcaca ggcaagaagg gataaataaa 120
tatgaggtga cccgcagcag ctctcacctg ggctgggtgtg tcacaaccct gaccacccc 180
taaaaaaaaa aaaatcaaga agcaacatcc taaggagaaac agggccctac tctacacagc 240
cctttctgag atgatcggca tacagcaggt gatgcaggct gcacactcag cagattcagc 300
ggctggaaac agcaagtggg tttcttcgga tgaaagggaa gaattcagtc caactgcagg 360
aggggtggga gaggttccag atcctgggaa ccacatcacc agacctcggc cctttttgcc 420
aagtgacccc caccaccacc tgatgtggtc tacaggggccc 460

<210> 1547

<211> 476

<212> DNA

<213> Homo sapiens

<400> 1547

ctggggccac tgtcggcatc atgattggag tgctgggttg gggttgcctg atatagcagc 60
cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
tttgcaacag ctacagtcta aaattgcttc tttaaccaagg atatttacag aaaagactct 180
gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccattctctac taaaaatata 240
aaaatgagct gggcttggtg gcgcgcacct gtagtcccag ttactcggga ggctgaggca 300
ggagaatcgc ttgaaccggg gaggtggaga ttgcagttag ccagatcgc accactgcac 360
tccagtctgg caacagagca agactccatc tcaaaaagaa aagaaaagaa gactctgacc 420
tgtactcttg aatacaagtt tctgatacca ctgcactgtc tgagaatttc caaac 476

<210> 1548

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1548

ctggaacaga tgctcactgc gctggaccag atgcggagaa gcatcgtgag tgagctggcg 60
gggtttttgt cagcgatgga gtacgtgcag aaaactctca cggacgagga gctggctgac 120
tggaagaggc ggcaacagat tgccctgcatt ggaggcccg ccaacatctg cctagatcgg 180
ctagaaaact ggataacgtc attagcagaa tctcaacttc agaccgtca acaaattaag 240
aaactggagg agttgcagca aaaagtttcc taaaaagggg accccattgt acagcaccgg 300
ccgatgctgg aggaga 316

<210> 1549

<211> 162

<212> DNA

<213> Homo sapiens

05920300-073101

<400> 1549
 aaaatatttt agataattct taaactatga accttcttaa catcactgtc ttgccagatt 60
 accgacactg tcacttgacc aatactgacc ctctttacct cgcccacgcg gacacacgcc 120
 tcctgtagtc gctttgccta ttgatgttcc tttgggtctg tg 162

<210> 1550
 <211> 141
 <212> DNA
 <213> Homo sapiens

<400> 1550
 ctgtgccggg tggaggagat gcgccagtcc ctgagaatta tcgcacagtg tctaaacaag 60
 atgcctcctg gggagatcaa ggttgatgat gccaaagtgt ctccacctaa gcgagcagag 120
 atgaagactt ccatggagtc a 141

<210> 1551
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 1551
 aaaaaaaaca accacaaaaa aaaatcaatt ggctaaaaaa aaaaaagtat taaaaacgaa 60
 ttggctgaga aacaattggc aaaataaagg aatttggcac tccccacccc cctctttctc 120
 ttctcccttg gactttgagt caaattggcc tggacttgag tccctgaacc agcaaagaga 180
 aaagaagggc cccagaaatc acaggtgggc acgtcgctgc taccgccatc tcccttctca 240
 cggggaatttt cagggtaaac tgg 263

<210> 1552
 <211> 332
 <212> DNA
 <213> Homo sapiens

<400> 1552
 ctcttttata aagctgatgt tctgagcgaa gaagcaatac tgaaatggta taaggaagca 60
 catgttgcta aaggcaaaaag tgtttttctt gaccagatga agaaatttgt tgagtggta 120
 caaatgcag aagaagaatc cgaatcggaa ggtgaggaaa attaatggc tcaacaagca 180
 caatacctag gttaccacac accacttttt gattgggaat gctgaaccat ttgagaagag 240
 aaacttggct tctgttttgc caaaggaaaa aaaaaatagg ataggcttcc cttgtgcaga 300
 gggagaaatg gctttgtttt tgttttgttt tt 332

<210> 1553
 <211> 389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 365
 <223> n = A,T,C or G

<400> 1553
 tttttttttt ttttttttat gtgttgtcgt gcaggtagag gcttactaga agtgtgaaaa 60
 cgtaggcttg gattaaggcg acagcgatct ctaggatagt cagtagaatt agaattgtga 120
 agatgataag tgtagaggga aggttaatgg ttgatattgc taggggtggcg cttccaatta 180

05520300.073401

ggtgcatgag taggtggcct gcagtaatgt tagcggttag gcgtacggcc agggctattg 240
 gttgaatgag taggctgatg gtttcgataa taactagtat ggggataagg ggtggtaggt 300
 gtgccttggt gtaagaagtg ggctagggca tttttaatct tagagcgaaa gcctataatc 360
 actngngccc ctcataaggg gatggacct 389

<210> 1554

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1554

aaacagacct ttagtgactg aggtgtggtt taggacttca aggttggatg gcccaggcgg 60
 gaaacagagt ggagagctca gtaggccgtc tgagactgct gctggcggta gccaccgcgg 120
 cgcatgtagc cctcgTTTTT gcggtagccg tccttctggt ctcggaagta gccccgtag 180
 gtgccttgct tgtggtcaaa caccggttcg ttgttctcca ccaggctgcc cagcttctcg 240
 gccag 245

<210> 1555

<211> 161

<212> DNA

<213> Homo sapiens

<400> 1555

aaagcacaac tagctatttg tttacaaatg atatTTTTat gtatatTTtg tatagtgtat 60
 catcattttt gccaaatatg tttttcatta taaatgagta aagagtactt aaggttgcat 120
 tcacgtatta catgtttggt gttgtaaacc tctccaatca g 161

<210> 1556

<211> 300

<212> DNA

<213> Homo sapiens

<400> 1556

aaaccagggg ctcgatcaa ccaggaccac aagcacaat acatccacat cttggcgtac 60
 gcagcaagcg tggttgagac ctggaagaag aacaagcgag tgagcatcaa taaagatgag 120
 ctgaagtcaa cgtcaaaagc tgtcgaaacc gtccacaatt tgtgttgcaa cgagaacaaa 180
 ggggcctctg aactagtggc agaattgagc acactttatc agtgtattag gtttccagtg 240
 gtagcaatgg gtgtgctgaa gtgggtggat tggactgtat cagaaccaag gtactttcag 300

<210> 1557

<211> 379

<212> DNA

<213> Homo sapiens

<400> 1557

ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtggt 60
 ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
 gttgctggag atggagggtc tgggcagctc cgggtataca tggaaactgtc cggttgcttc 180
 ttcatccaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
 gacgttctgg atcagcaggg atgcattggg gtatatgtgc tctcgaccac tgtatgcggg 300
 ccctggggta gcttgttgag ttctatttac atatcctaca attagactgt tgccatccac 360
 tctttcgctt ttgtaccag 379

05920300 "073404"

<210> 1558
 <211> 218
 <212> DNA
 <213> Homo sapiens

<400> 1558
 gctgtctagt tttgtttttg ttttgagatg gagtttctact cttgttgccc aggttggagt 60
 gcaatggcac aatctcagct cactacaacc tccgccttcc aggttcaagc aattctccta 120
 cctcagcctc ccaagtagct gggattacag gcatgcacca ccatgcctgg ctaatatattt 180
 tttgtatttt tagtagagat ggggtttcac catgttgg 218

<210> 1559
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 354
 <223> n = A,T,C or G

<400> 1559
 aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
 aaggcagctt tcaatcacia atcagttttt cagattttac tgtggaagca tatttaaatgc 120
 acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
 attagatctg catatataag acacttgttg tcaaatttca agattggtaa agccagtttc 240
 aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
 aactcatgac cttcaaagat gtcttcgtcc cagcacaca catttgtaat ttngtccat 360
 ttgctatttc cttctttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
 catctcacc atctccttta tctcagcctt ctcatacttt gccattctct tctttctgga 480
 a 481

<210> 1560
 <211> 157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 17, 18, 60, 86, 124
 <223> n = A,T,C or G

<400> 1560
 nnaaaagaaa aagaagnnaa aagatggaac tgagaaagaa aaggatatta aaggactcan 60
 caaaaagaga aagatgtatt ctgaanataa acctttatca tctgagtcct tgtcagaatc 120
 agantatatt gaggaggtgc aagcaaaaaa gaagaaa 157

<210> 1561
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 1561
 ctgtttcagc accttcgtct ggctgggtctc tcggatttgc ccagccagga acatctcgtc 60

09920300 03401

cacgaccgtg taaaccttgt agaagttgaa caccaggtcc agttcacaga cattgtggaa 120
 atattcgttt aagacctcca cgaagttgtg aatggcctcc aggttaagcca gggtgttgtc 180
 attgacatcc acacagatgc agaagtagag gccagcatag cggcggtaaa tgatcttaaa 240
 gttccggaac tccacaaagt tgggtgtgtt ggcgtctcgg acggtgacca cgcatgcac 300
 ctctc 306

<210> 1562
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 236
 <223> n = A,T,C or G

<400> 1562
 aaaagcttaa aacagaaaca gccatttatt tgcctatgat tctgtaactt gggcagggct 60
 tggcagggtc agctagtctt tgcctaggtg acttgactgg ggctaaagat gcaagatggc 120
 ttacaccagc ttctcagttg ggggctggcg tggctggaag acagcaggcc cttccctttt 180
 ccttttagagt ctctcatcct ccagggcctc attttcttca ggtgctatct ctctcntgca 240
 gcacaaactt ctttaccatca cagctgtgcc tttggagctg gacatccagg tacctggctg 300
 cctgctggga acaggtgagt atgtatcagc cattgtgaag cctcaaaagg ctgcagcctg 360
 acgtagctgc agatcaggct gtacccaaat tgcattgtta ctgatgaaat aatttttt 418

<210> 1563
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 1563
 ctgacccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
 acaagacaac ctgaagctaa atggatgccc cctgcagagt caacaggctc agcctcacag 120
 tgcacgccct gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
 caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaaacta tagatatata 240
 cagttgaaaa ctcaggatct ctagccaata accatagtta ccaccacctt acaataaaaa 300
 agaaaatgcc agaaacatct ttaaattgct tgtcacacca acagcaaagt gcacagagtg 360
 aggagaacac gagagtgcct tttcatttt 389

<210> 1564
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1564
 aaacatctca catatacaaa ataggtacaa ttttaatttt ctgcttgccc aagaaacaaa 60
 gcttctgtgg aacctaggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
 tgaagaagat ttgggcaaat aatctgcata cttttaattg ggaataagat ggaaaatatg 180
 aatgctaaat caaatttttt 200

<210> 1565
 <211> 514
 <212> DNA
 <213> Homo sapiens

05920300 073404

<220>
 <221> misc_feature
 <222> 415, 416, 432
 <223> n = A,T,C or G

<400> 1565
 aaatgaagga tttaccatta agaaatcaac atgtgcacaa aaagagtaaa aattaccaaa 60
 aaattaaaga ttttttgga caattcacat gttcaaaatt taagaatgat ttaaactgtg 120
 caagtacaaa tgtctttcct attataataa cccatataca ggttgacta ttccacatca 180
 aggaacttgc ctcctacgga agcaaattcct gcttttagaa aaacaaacag tagcttgaaa 240
 agaacagtta gtcccttaca gaaagtctta aactttgccc tctgtggctg ttagccaaaa 300
 aaccataagc acttcaggct ttgtacagaa gacaaacaca gccagatcac atttcctcct 360
 cattgtctaac ctttaaaata aaaatagcac tagattttta aactacttca tgtannctgt 420
 cagtactgaa tnatgtcaca ttatataaat aacctgttaa cgagattcaa tatctaaact 480
 ttatagttta ctagctgcaa aggtaataca ccat 514

<210> 1566
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 418, 432, 503
 <223> n = A,T,C or G

<400> 1566
 ccatgagctg agttgtgact tctgggaact aattgggttg gcccctgctg gaggagctga 60
 caacctgatc aatgaggagt ctgacgttga tgtccagctc aacaacagac acatgatgat 120
 ccgaggagaa aacatgtcca aaatcctaaa agcacgatcc atggtcacca ggtgctttag 180
 agatcacttc tttgataggg ggtactatga agttactcct ccaacattag tgcaaacaca 240
 agtagaaggt ggtgccacac tcttcaagct tgactathtt gggaagagg catttttgac 300
 tcaatcctct cagttgtact tggagacctg cctcccagcc ctgggagatg ttttttgtat 360
 tgctcagtca taccgggcag agcagtccag aacacgaagg cacctggctg agtacacntc 420
 acgtggaagc tnagtgtcct ttcctgactt ttgacgacct cctgaaccgg ttggaggact 480
 tggtttgtga tgtggtagat cgnatatt 508

<210> 1567
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1567
 ccaagtcttc acaaaccctt gcaacattgc ctgaagttaa tggaataaga tgtattctca 60
 ctcccttgat ctcaagggcg taactctgga agcacagctt gactacacgt catttttacc 120
 aatgattttc aggtgacctg ggctaagtca ttt 153

<210> 1568
 <211> 452
 <212> DNA
 <213> Homo sapiens

<400> 1568

05920300.073101

gacctgcccg tgaagaggcg ggcattgacac agcaagacga gaagacccta tggagcttta 60
 atttattaat gcaaacagta cctaacaaac ccacagggtcc taaactacca aacctgcatt 120
 aaaaatttcg gttggggcga cctcggagca gaaccaaac tccgagcagt acatgctaag 180
 acttcaccag tcaaagcgaa ctactatact caattgatcc aataacttga ccaacggaac 240
 aagttaccct agggataaca ggcgaatcct attctagagt ccataatcaac aatagggttt 300
 acgacctcga tgttgatca ggacatccca atgggtgcagc cgctattaaa gggtcggttg 360
 ttcaacgatt aaagtcctac gtgatctgag ttcagaccgg agtaatccag gtcgggtttct 420
 atctacttca aattcctccc tgtacgaaag ga 452

<210> 1569

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438

<223> n = A,T,C or G

<400> 1569

ccagtgaagg caccaacatc ccaagtcctg tgggtgcgcca gattgacaag cagttttctga 60
 tttgcagtat atgcctggaa cgggtacaaga atcccaagggt tctccctgt ctgcacactt 120
 tctgtgagag gtgcctgcag aactacattc ctgcccacag tttaacctc tctgcccag 180
 tgtaccgcca gacctccatc ctgcccgaga aaggggtggc cgcgctccag aacaatttct 240
 tcatcacaata cctgatggac gtgctgcagc gaactccagg cagcaacgct gaggagtctt 300
 ccactcctgga gacagtcact gctgtggctg cgggaaagcc tctctcttgc ccaaaccacg 360
 atgggaatgt gatggaattt tactgccagt cctgtgagac tgccatgtgt cgggagtgca 420
 cggaggggga gcacgcanag caccacacag ttccactcaa ggatgtggtg gaacagcac 479

<210> 1570

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1570

aaaataaaga ggcgccaata cccgttcatt tatgtattag aagtctcgta taatcaccaa 60
 taaaacagaa atagcatctg tgatcacaca acggagaaaa aagatcaaga gacaacctta 120
 gccactgtaa aactgtactt gaacactcag atgctctggc taagtcagaa tctaaagatt 180
 tgctaataag gttttatttg tttagcatag tcccatggcc tttgtctata actgatatgt 240
 ggaaaccgtt cccaaggaaa ttttaagaaac cattctgaaa ttctgccttt gatgtacatt 300
 ataattaaat gtgactgtta taaacgttgc ctctatcata ttatcttttg taaagtggag 360
 gcaaagagag acaaaaagca tcctcctgga ctgctgacat gcagaaaagca tcagcaatga 420
 tagggttgtg acagcattta tggagtttct agggcagggg ggacagaatg ctgtatctca 480
 gcatcttttg ttaaggtctg gctc 505

<210> 1571

<211> 469

<212> DNA

<213> Homo sapiens

<400> 1571

ctgagtacaa gggttatcact gtgatagaac ctggactgct ttttgagata atagagatgc 60
 tgcagtctga agagacttcc agcacctctc agttgaatga attaatgatg gcttctgagt 120
 caactttact ggctcaggaa ccacgagaga tgactgcaga tgtaatcgag cttaaaggga 180

09520300-073101

```

aattcctcat caacttagaa ggtggtgata ttcgtgaaga gtcttcctat aaagtaattg 240
tcatgccgac tacgaaagaa aaatgcccc gttgttgga gtatacagcg gagtcttcag 300
atacactgtg tcctcgatgt gcagaagttg tcagtggaaa atagtattaa cagctcactc 360
gagcaagaac cctcctgaca gtactggcta gaagtttgga tggattattt acaatatagg 420
aaagaaagcc aagatttagg taatgagtgg atgagtaa atgagtaa ggtggagga 469

```

```

<210> 1572
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<400> 1572
ccacaaacac ctctcggcgg ccaggctggt tcagtcgacc acggcacact tccccaaatt 60
cccctgcagg gcacagggca caagctatga ctactcctg taccagccc gcctcagctt 120
ctcatctcta ctgtgccccg ggagactcac cagctccgat cacctcctcg atcttgacgc 180
aggacacgtc gatctccttg gcaaaactccc gaacagcctc attaggggtcc tcgtaggtaa 240
aagggtcaat ataaaccttc attccaggag caactggagg gagaagagg gggcgtgaga 300
gggtaacgtc aagccagcct ctccctgcga tgggcacagc tccagcaggc tccctgctga 360
g 361

```

```

<210> 1573
<211> 295
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 202, 208, 232, 234, 273
<223> n = A,T,C or G

```

```

<400> 1573
ttgtacaagc tttttttttt tttttttttt ttttttttat ctcatgcgtt ccattttattt 60
tgtctctcaa attttaggaa tcttctcctt taattaactc atcaacctct catggcaaga 120
atltgagaaa gtaaatattt actcagggtt taattttaat aggaaggaa gaagttacag 180
ctcagtgcac catgaagttg anacaganat ggagacacct cagccccacc tntntggaac 240
aggaaagatg attggggagg gagcacaggt cancgtggga agagggcat ggtgg 295

```

```

<210> 1574
<211> 547
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 473
<223> n = A,T,C or G

```

```

<400> 1574
cgacattcca gaaaatgtcg acattactct gaagggacgc acagttatcg tggaggggccc 60
cagaggaacc ctgcggaggg acttcaatca catcaatgta gaactcagcc ttcttgga 120
gaaaaaaaag aggtccggg ttgacaaatg gtggggtaac agaaaggaa tggctaccgt 180
tcggactatt tgtagtcatg tacagaacat gatcaagggt gttacttg gttccgtta 240
caagatgagg tctgtgtatg ctacttccc catcaacgtt gttatccagg agaatgggtc 300
tcttgttgaa atccgaaatt tcttgggtga aaaatacatc cgcagggttc ggatgagacc 360

```


aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 420
 cattgagctt gtttcaaatt cagcggcttt gattcagcaa gccacaacag ttnaaaacaa 480
 ggatatcagg aaatttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 540
 tgatgaa 547

<210> 1575
 <211> 375
 <212> DNA
 <213> Homo sapiens

<400> 1575
 ccacatcatg tcaattacac ccacaacagc tctgaaagga gtatttgatg aacacatctg 60
 agccaagagc ccagagtctc tctccaaggc catgcagttt gttcactgat gggacagtcc 120
 ctcaaaacag ccacgctaag tagacagata cagtctcccc aaatggtacc aatcttactc 180
 ccttgaaaa caggcagagt gaagtgcatt gaaagacaag ttaattaaaa agccactcac 240
 aactggcagt aaattttaat gattgataaa atgcittaaa taattttatg tatcagaaac 300
 aaggaacagc ttgttacttt ttcaatgata tcaggaattt tgcagacaca aaatctccat 360
 tattcagctc ctttt 375

<210> 1576
 <211> 440
 <212> DNA
 <213> Homo sapiens

<400> 1576
 ccaatgcagc agggacatct gcctgggaag gaagttagga tgcccatag gtcaccagca 60
 ccaccatcat gaacagggac agtaactcca gccctggcgg aaatgaaatc cacatggaaa 120
 tccaaatgca agaccacagc taccaagatt tggatcatgt attgatcca gattcctcaa 180
 atgaagactg ggctgtcagg catgtgtatc ccaaataat gctatgtcat gccctgcccc 240
 aagtgatgta gagtagactt ttccaagccc caaagatttg tcaagttact catttcatca 300
 tccctcgagg taccttatga ataccttttt ttttcttttt tttgagatga agtctcgctc 360
 tgtcgcccag gctggagtc agtgggctga tctcggtca ctgcaacctc cgtctcccg 420
 gttcgcgcca ttctcctgcc 440

<210> 1577
 <211> 474
 <212> DNA
 <213> Homo sapiens

<400> 1577
 ctgctggaat catataggct attaaccctt ggctatatgg cagaagcgtt tgggtgttggt 60
 gtggaattca ttgatcagga actgtccagg tttattgctg ccgggagact acactgcaaa 120
 atagataaag tgaatgaaat agtagaaacc aacagacctg atagcaagaa ctggcagtag 180
 caagaaacta tcaagaaagg agatctgcta ctaaacagag ttcaaaaact ttccagagta 240
 attaatatgt aaagccatgt aactaacaaa ggatttgctt tagagataat tatttggaa 300
 ttttatagct tacttcacaa tgtgcccagg tcagtggaaat ttattttttt aacctctgaa 360
 aacactgacc aaatcaagcc tcatattttt aagtgtctaca tataaccttc accagtgtga 420
 tttacataaa tatttcctat gttatagatc atgaaaatat aaaaataagc tagg 474

<210> 1578
 <211> 374
 <212> DNA
 <213> Homo sapiens

059E0300-073404

<400> 1578

```

aaagaagaga aaaacacctt gagccttaaa acggtgctgc tgggaaacat ttgcactctt 60
ttagtgcatt tcctcctgcc ttigtctgtt cactgcagtc ttaagaaaga ggtaaaaggc 120
aagcaaagga gatgaaatct gttctgggaa tgtttcagca gccaataagt gcccgagcac 180
actgcccccg gttgcctgcc tgggccccat gtggaaggca gatgcctgct cgctctgtca 240
cctgtgcctc tcagaacacc agcagttaac cttcaagaca ttccacttgc taaaattatt 300
tattttgtaa ggagaggttt taattaaaac aaaaaaaaaat tctttttttt tttttttcca 360
attttacctt cttt                                     374

```

<210> 1579

<211> 397

<212> DNA

<213> Homo sapiens

<400> 1579

```

aaaaatctca tccttggcta ggcacggtgg ctacacatctg taatcccatc actttgggag 60
gccaaggcag gcggatcaag aggtcaggag tttgagacca gcccgaacca catggtgaaa 120
ccctgtctct actaaaaaca caaaaattag ccaggcatgg tggcacgcac ccgcaatccc 180
agctactcag gagactgagg caggagaatg gcttgaaccc gggaggcgga ggttacagtg 240
agccaagatc ataccactgc actccagcct gggtgacaga gcgagactcc gtctcaaaga 300
aaaaataaaa ataaaaaaac tgaaaaggcc aggtgtggtg gctcatgcct ataatccag 360
cactttggga ggccgaggtg ggtggatcat tttgagc                                     397

```

<210> 1580

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 490, 511

<223> n = A,T,C or G

<400> 1580

```

aaacattgca aattgaccag ctagctatgg aagcataaaa ttaattgata attaattgtt 60
gaaatacatt tctaaaattt atatttttat ggtgttagcc tgtaagagca ttttagcata 120
ttgaaatgca tgctgcttaa gatgtgtctg gttcaaatat caaaacttgc tgggtcattt 180
ttacatagta gaaacatact gtctatgtgt tgcccaatta ctgtttgtcc actctgaatt 240
ctggaccctt ttgggactaa gaattagtta aattcatgaa ctaagagaat tagagatggg 300
gtagagtagg atcaggacag tgggggttaca acagatagga aaggaaagtc agcatttgag 360
tgtagagaaa aaaaggggat catacagatg tcatcaaatt ataggcttta atacagggtt 420
ctttttttta tccaaaagga aaagcactta tcctatcaga atgtctacca tgtttttatag 480
taataatttn tgtaaaaaat tgaattttt natagtttt tgtattttt                                     529

```

<210> 1581

<211> 393

<212> DNA

<213> Homo sapiens

<400> 1581

```

gcgcctctcc gaacgcaaca tgaagggtgct ccttgccgcc gccctcatcg cgggggtccgt 60
cttcttctct ctgctgccgg gaccttctgc ggccgatgag aagaagaagg ggcccaaagt 120
caccgtcaag gtgtattttg acctacgaat tggagatgaa gatgtaggcc ggggtgatctt 180
tgggtctctc ggaaagactg ttccaaaaac agtggataat tttgtggcct tagctacagg 240

```

05920300.073101

agagaaagga tttggctaca aaaacagcaa attccatcgt gtaatcaagg acttcatgat 300
 ccaggcgga gacttcacca ggggagatgg cacaggagga aagagcatct acggtgagcg 360
 cttccccgat gagaacttca aactgaagca cta 393

<210> 1582
 <211> 317
 <212> DNA
 <213> Homo sapiens

<400> 1582
 ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcattgtatg 60
 agtagttgag aacgggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcaggggtc agtctaagtg aaggcaaaga gaggtctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tccagaacag aataatgggt agtagaggga 300
 ggtattgagg ataggag 317

<210> 1583
 <211> 272
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 174
 <223> n = A,T,C or G

<400> 1583
 ccacatcggc agggctcggag ccctggccgc catactcgaa ctggaatcca tcggatcatgc 60
 tctcgcgcaa ccagacatgc ctcttgtcct tggggttcct gctgatgtac cagttcttct 120
 gggccacact gggctgagtg ggggtacacgc aggtctcacc agtctccatg ttgnagaaga 180
 ctttcatggc atccagggtg cagccttggg tggggccaat ccagtactct ccactcttcc 240
 agtcagagtg gcacatcttg aggtcacggc ag 272

<210> 1584
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 1584
 ctgcaggtag acgtgatctt tctcagggcc acagcctctt ccttctcgga tctccagagt 60
 catggaccga gacaccacat ctctagacgc caggctcctc gcgacagggg cgtatcgctc 120
 cataaacctt tcgccttgac tgttaatgag aatgcctccc tctccacgac atccttccgt 180
 aatgagacaa ccagcaccat atatgcctgt ggggtggaac tgaacaaact ctagggtcctg 240
 gcaaggaagg 250

<210> 1585
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1585
 aaaaacaaaa ggttgatata ctataaaata agatgcttca gtgcagctcc aaaaaccttt 60
 ataaatacag ccatttggaa ggacgatcct ggatcagaaa ttattccttg tgtatctata 120

09920300 03104

ttatgtgcat gtctcatttc agttgtcata attgtctctg taatttcctc ctgagtagcg 180
 gtcataacca ccctggtttc tgccattata gtctctggaa cgtccatata catatccata 240
 ccctccaggt cgactgtcat aatacctgcc actcccatag ccctgggtccc caccacctct 300
 agagtagctg cgaccacgcc catgggcccc aaagccacct cctctgggtc cccgagcaga 360
 cttgcctgca tgatccacac ggatctgacg accatccaga gactctccgt tcatggctct 420
 catggcaa 428

<210> 1586
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1586
 aaaagatcca ggtggaaata tttttactat agtaataatt ctacaaaata cctgaattct 60
 taacactgtt atatttcagt ataagtgggtg gctttttctt ttcattgtctt tgatctgggt 120
 ttattcctgt aattcagcca cctgattttg tgagggggggg gaataatatg tgggtttttgt 180
 acaaacatgt ttctcagtgt gttgttattt tggaaaaaat gaggggaggg agtttggcaa 240
 gaatggagaa aatgaatgaa gaagg 265

<210> 1587
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1587
 ctgcccttgt ctaggaaggc tcatgtcttg cttcaatgaa gcgaggagac cacagaaata 60
 cccatggctg tggggctgtg accagcagtg gctgattagg gtggaaactg gaaagcgtca 120
 ctgtctcagc agaagaaagc aggacccac acagcctggg gaacggctgc ccacccacgc 180
 ctgggtgaag accacggccc tggcgaggcc ccaaggtgct tctgagagat gaacgagaca 240
 cctcagtcac ggcacactgg gtggtgtgct tcccctccaa gtctgtctt tgttttacac 300
 agtcatatga aagacataac cccattgccc aaatcaagcc tggag 345

<210> 1588
 <211> 441
 <212> DNA
 <213> Homo sapiens

<400> 1588
 gaggaagggt gcaagatggt gttggaaagc actatgggtg gtgtggacaa cagtgagtat 60
 atgcggaatg gagacttctt acccaccagg ctgcaggccc agcaggatgc tgtcaacata 120
 gtttgtcatt caaagaccgc cagcaaccct gagaacaacg tgggccttat cactactggct 180
 aatgactgtg aagtgtgtgac cacactcacc ccagacactg gccgtatcct gtccaagcta 240
 catactgtcc aacccaaggg caagatcacc ttctgcacgg gcatccgcgt ggcccatctg 300
 gctctgaagc accgacaagg caagaatcac aagatgcgca tcattgcctt tgtgggaagc 360
 ccagtggagg acaatgagaa ggatctggtg aaactggcta aacgcctcaa gaaggagaaa 420
 gtaaatgttg acattatcaa t 441

<210> 1589
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1589
 ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact 60

09520300-073101

```

ccattgcatt cagcccgtc tcccagtcac cacagtctgg tttcttgata tcctgaagga 120
agattcggcc acctcggttg ttctgcagct tcatcagttt ctcagcatgt tccctctcct 180
catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tcgcggtcaa 240
agtagtaaga ctgaaagggg aacactgaat gtgttatact agggatcccc agagacaggt 300
agctgtgacg atctacaggg aggcaagatg gtctcgtcag cctaggcttc ctttctcaaa 360
gcacagcatg aaggaatcag tgcctaagga gactgggggg cagatgagct actggattga 420
acccaagagt aatgtttc                                     438

```

```

<210> 1590
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 1590
gccgcgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatggggcg cggaataatg cctttgccat cactgccatt 120
aagggtgttg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgaccccacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcacat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatgggtctg gacaacaagc tccgtgaaga cctggagcga 360
ctgaagaaga ttcgggccca tagagggtcg cgtcacttct ggggccttcg tgtccgaggc 420
cagcacacca agaccactgg ccgcgcg                                     446

```

```

<210> 1591
<211> 131
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 11, 18, 37, 42, 68, 81, 87
<223> n = A,T,C or G

```

```

<400> 1591
ccagcggccn nccgggcnng tccacttcca tgccctntcc anaccaggag acacctgctg 60
ctgacctngt ggaaaactta natttttnaca ttctgatgct tcggaagtgg tggctcctcc 120
tccctcacc c                                     131

```

```

<210> 1592
<211> 510
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 502
<223> n = A,T,C or G

```

```

<400> 1592
cgacgaagga gtaggtggtg ggatctcacc gtgggtccga ttagcctttt ctctgccttg 60
cttgcttgag cttcagcgga attcgaaatg gctggcggtg aggcctggaaa ggactccgga 120
aaggccaaga caaaggcggt ttcccgctcg cagagagccg gcttgagtt cccagtgggc 180
cgtattcatc gacacctaaa atctaggacg accagtcag gacgtgtggg cgcgactgcc 240
gctgtgcaca gcgcagccat cctggagtag ctcaccgcag aggtacttga actggcagga 300

```

05920300-03404

aatgcatcaa aagacttaaa ggtaaagcgt attacccctc gtcacttgca acttgctatt 360
 cgtggagatg aagaattgga ttctctcatc aaggctacaa ttgctgggtg tgggtgcatt 420
 ccacacatcc acaaattctt gattgggaag aaaggacaac agaagactgt ctaaaggatg 480
 cctggattcc ttgttatctc angactctaa 510

<210> 1593
 <211> 554
 <212> DNA
 <213> Homo sapiens

<400> 1593
 aaactttata attactttta tatttttggat aactagaaat ctagtattgc cataaaggaa 60
 actaagtgcc catcaaagat ttgtttggta taaataaaga attatttggt ttgttttcaa 120
 tgacagtaag ctacaaatca tgatgcttaa aaactttcta aagatgaatt gtgtggcagt 180
 gattgggtctg ttgttggaaga atgtatgaaa gctattaata ttctagaata gattaataaa 240
 ttggctatgt tgttccaatg aatgtacagc acttccatta acttttgaaa gcaacacagc 300
 cttaaactca atgcttttgc tttatgacat gggaatgttc tgtcatcaat ggagtgtatt 360
 cttgtaatag aattctttat atcgttctca attctataga ctttcaagcc tatgtatgaa 420
 tatgaagggg tttttttttt tgcctttgttt tctttttaga ttttgtacat tccatcttta 480
 taggtccgtt tcatatgttt tatgtataga acactaagtc ttgcactctc tgacattgat 540
 actgatatat tctc 554

<210> 1594
 <211> 518
 <212> DNA
 <213> Homo sapiens

<400> 1594
 cctgctggga gaagagaaca tgaatgggaa gctacagaag tattgaagga cagaagaaca 60
 ggaaaatggg caggagagga aaggaaagga aaggaaagga aggtctgaac ttagcaagggt 120
 aaattaagggt ccacgggttc tgagggactg aacgcacaga gccgagaacg tcccggagat 180
 ggggtaccac gaaggggtgta ttctcatgca caaccgcagc tcggaatttc agcccacaca 240
 catcccacct tgaactctg tgttatcaag gccctgatg gcctccactg catcctctgc 300
 ccgctccatg tgtacgaagg cataatcttt cacgatgtca cattcgatga ccggaccata 360
 ctctcaaac ttggctcgaa gctccttatt ggtgcagggt ggactgatgt tgcccacatg 420
 caactttgtt gaggttttgc tcttattctt gctggcttcc acgttgatgt tcccccatg 480
 aagcttgtaa tgggtgcagggt tgcgtatggc atcctcag 518

<210> 1595
 <211> 500
 <212> DNA
 <213> Homo sapiens

<400> 1595
 ccagtaaaat actattgcct catattgtcc tctgcaagct tcttgctgat cagagttcct 60
 cctacttaca acccaggggtg tgaacatggt ctccattttc aagctggaag aagtgcagc 120
 tgttggagtg aggacctgta aggcaggccc attcagagct atggtgcttg ctggtgcctg 180
 ccaccttcaa gttctggacc tgggcatgac atcctttctt ttaatgatgc catggcaact 240
 tagagattgc atttttatta aagcatttcc taccagcaaa gcaaatgttg ggaaagtatt 300
 tactttttcg gtttcaaagt gatagaaaag tgtggcttgg gcattgaaag aggtaaaatt 360
 ctctagattt attagtccta attcaatcct acttttgcga caccaaaaat gatgcacatc 420
 aatgtatttt atcttatttt ctcaatctcc tctctctttc ctccacccat aataagagaa 480
 tgttctact cacacttcag 500

<210> 1596
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 1596
 ccatccgctt cctgaatgct gagaatgcac agaaattcaa aacaaagttt gaagaatgca 60
 ggaaagagat cgaagagaga gaaaagaaaag gatcaggcaa aaacaatcat gccgaaaaag 120
 tggcagaaaa gcttgaaggc ctctcagtga aggaggagac caaggaggat gctgaggaga 180
 aacaataaat cgtcttattt tatttccttt tcctctcttt cctttccttt tttt 234

<210> 1597
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 1597
 ccaaccttcc tgtgcccagc ctgcagacag gtggcctctg gtggttccag gatctcacgg 60
 tatccgatcc catctacata ttaccactgg cagtcactgc tacaatgtgg gctgttcttg 120
 agctaggtgc tgagacaggt gtgcaaagtt ctgaccttca gtggatgaga aatgtcatca 180
 gaatgatgcc cctgataacc ttgcccataa ccatgcattt cccacaggca gtgtttatgt 240
 actggctctc ctccaatttg ttttccttgg tccaagtatc ctgtctccgg attccagcag 300
 tacgcactgt acttaaaatc cccagcgtg ttgtacatga cctggacaaa ttacctccac 360
 gggaaggctt octagagagc ttcaaaaaag gctggaaaaa tgctgaaatg acgcgtcag 419

<210> 1598
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 1598
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgattatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagc ctacttgccg t 291

<210> 1599
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 1599
 aaaccttttt ggcttaaaca gaatttttagc atcagaacta gctttctggg attggaggca 60
 aacctcaag gtggtccctc tccagtctgg acacgatgcc agcaaggatg acgtcctgcc 120
 acctcctgga gttaccctgg cctcctaggg tcccttttcc tgatgaagtc ttaattccct 180
 aaaagcgcc ctttggacac tgaggccctc tctgccttcc ctggcctccg gcaacagttt 240
 tttacaaaga ttttttgcag tcgagtcctc atgtccaccc attgattttt 290

<210> 1600
 <211> 294
 <212> DNA
 <213> Homo sapiens

09920300 "073404

<400> 1600

```

attaagttca atgtatggga cacagccggc caggagaaat tcggtggact gagagatggc 60
tattatatcc aagcccagtg tgccatcata atgtctgatg taacatcgag agttacttac 120
aagaatgtgc ctaactggca tagagatctg gtacgagtgt gtgaaaacat cccattgtg 180
ttgtgtggca acaaagtggg tattaaggac aggaaagtga aggcgaaatc cattgtcttc 240
caccgaaaga agaatcttca gtactacgac atttctgcca aaagtaacta caac      294

```

<210> 1601

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 171, 180, 197, 215, 376, 404, 420

<223> n = A,T,C or G

<400> 1601

```

tttttttttt ttttttttgt tttttttttt ttaattcttc agctaaaaca gcggaagagg 60
tgatttatta tatggttgtt acactcggcc acaataaac acagaaatag tccagaatgt 120
cacaggtcca gggcagagga ccaacatggg cattttgttt atgagcaagg ngggtctcan 180
aggtgatcgg cgatcanagg gcgatgaagt tctanatcca ttgagacaag ctctagacag 240
tagcatgcag tcccacaact tgtaccagca tccccagcgt ctggcattcc atgtttctgc 300
tctgtgtggc tccacggtgc aacaagctag cggtttactt ggacctctgc ctcatctttc 360
ttcttttgcg ctctancctg cgcattcgct tcttcctcca cttingctctc atggcgggcan 420
aggtttccaa aaaaaa                                435

```

<210> 1602

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1602

```

gacgctctca gctctcggcg cacggcccag ctctcttcaa aatgtctact gttcacgaaa 60
tcctgtgcaa gctcagcttg gaggggtgatc actctacacc cccaagtgca tatgggtctg 120
tcaaagccta tactaacttt gatgctgagc gggatgcttt gaacattgaa acagccatca 180
agaccaaagg tgtggatgag gtcaccattg tcaacatttt gaccaaccgc agcaatgcac 240
agagacagga tattgccttc gcctaccaga gaaggaccaa aaaggaactt gcatcagcac 300
tgaagtcagc cttatctgg                                319

```

<210> 1603

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1603

```

ctgcctgggc ccggaagggc tttggttctt tctctgggtc tgattttctc actgaactcc 60
accgaccaac tgccctaagc ccccaaggcc tccagggccc aggttcgaga cccaaacccc 120
caaaatccaa aacttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 180
atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttggc 240
tttgccacc cctcactccc cagggagctc tggggacagc ttcctcacac cctgtccca 300
cccacacag                                309

```

<210> 1604

09620300 073101

<211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1604
 ctggataagg acatcaatac cttctctatg cgtgtcaggg agtgggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggcccaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg aggtgcacgt ctcatcgac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1605
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 430
 <223> n = A,T,C or G

<400> 1605
 ctggatgtga gagacaacat ggtgaaactt aatgatggct ctcaaataac ctatgaaaag 60
 tgcttgattg caacaggagg tactccaaga agtctgtctg ccattgatag ggctggagca 120
 gaggtgaaga gtagaacaac gcttttcaga aagattggag actttagaag cttggagaag 180
 atttcacggg aagtcaaatac aattacgatt atcgggtggg gcttccttgg tagcgaactg 240
 gcctgtgctc ttggcagaaa ggctcgagcc ttgggcacag aagtgattca actcttcccc 300
 gagaaaggaa atatgggaaa gatcctcccc gaatacctca gcaactggac catggaaaaa 360
 gtcagacgag aggggggttaa ggtgatgccc aatgctattg tgcaatccgt tggagtcagc 420
 agtggcaagn tacttatcaa gctgaaagac ggcaggaagg tagaaactga ccacatagtg 480
 gcag 484

<210> 1606
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ctgtgatgtc ttggagaaac agtgtaaacc ggcagtgtaa agaagagcag ggcatgtatg 60
 agtagttgag aacggtgaac gggagtatga ctaacagatg aggatgaaat ttgggcttca 120
 ctgaagtaat gggggctgtc tgtgaagcct tgtggcagtg cagcccaggt aatttgttga 180
 gcctaattggg tgtcaggggtc agtctaagtg aaggcaaaga gaggctggga tgaaggggtgc 240
 aaagcaatag taaagaaagc atgtctgaga tcc 273

<210> 1607
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1607
 cacaaagcca gggccaggct ccccatccct acctcccact gcatcagcag tgggtgttcc 60

00502660 0340 00502660

```

tgccttccct gagtctaggc agctctgctg ctgtgatctg cacaccctcc aacctaggca 120
gggactgggg ggatgcagtg tgtgttagtg cccatgtggc attgtggcac tgttgccccc 180
catggcggca tgggcaagat gaccttccat tagcttcaag tcttgttctc ttgtctgtgg 240
tctgtttaat atgtgggtca ctagggtatt tattctttct cccatcctta cactctggat 300
cattgtgcag acttaatcag ggttttaacg ctttcatttt tttttttttt gagctcaaag 360
agagttctca ttttccctat tcaaactaat acccatgccg 400

```

```

<210> 1608
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<400> 1608
aaataccatc ctttgtctcc gttaaaagat tttcatccat ttattcaaaa accttttaag 60
ttcaactgtc caatttaaga cagagtgaag acatctttga gtatctgaac taagcattgt 120
cttgactgaa acgaagtaag aactcaatga gagtccttgt gggcctccca gtcatgcctt 180
tccgtagata gggaacttca tctttgttgg tcatcacgcc tgctatgtct aaatgtgccc 240
acttaggatg agttacgaat tctttcagga atgctgcag 279

```

```

<210> 1609
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 1609
gtttttatttc aataggtaaa acgtgcagtc ctatgtaatc gtcagaaggt aatcttaatt 60
atagcttggg tgtgctttta actgcaagct ggcagtggag ggcacgattc ctctgatttc 120
agctttctcc ttatactttt ctggagctgt gagctgcaag ttaactcagt gggattaaag 180
tgtagactgg aggtacaaaa ggtgaggagt gaggagatag ggtagtctct ccttggctgg 240
ctggcttcat aatccctggg cccgcagat aattaaatcg actttttctg tctcaggcat 300
ttgtatgacc tctttggagg ttccctgctg ggtagtattc cttgtatctg atggacccat 360
ctcaattt 368

```

```

<210> 1610
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 1610
ccatgctggg ctggaactcc tgaccacatg tgggtccccc accttggcct caattatgtg 60
cattttggta tattttacttg tattttcaaca tcttgtgagt ttgaaaaacc tgaaaggcca 120
gaatgcttcc ttttattttct caccatttgg gcagcaccta agtgggtttt taaaatgcag 180
catctggtgc tgtgggtctc tctcagg 207

```

```

<210> 1611
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 427
<223> n = A,T,C or G

```

0920300 073101

<400> 1611
 cctgacattc ctgcctttctt atattaataa gacaaataaa acaaaatagt gttgaagtgt 60
 tggggcagcg aaaattttttg gggggtggtg tggagagata atgggcatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaggcctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatcatg gggatgttag aagaaacatt tgcgtatag 240
 aatgattggt gatggcctgg atacggtttt ggatgatttg agaagctaaa tggaagatac 300
 aaggtccgaa taaaaggagg agaaaaatgg gtattaaatg tctaagaatt gggaggacct 360
 aggacatctg attagagagt gcctaaggag attcagcata gtcctgccag caaagattat 420
 ttacttnaag agttaagagt ggcagtttgg ggatagcacc 460

<210> 1612
 <211> 133
 <212> DNA
 <213> Homo sapiens

<400> 1612
 aaaatgtgaa ccttcaggta ttgagtaaca cctttatctt ggtatagaac tgatactttt 60
 ttttgatttt gaaatatctg ataataattt ggaatgaagt aagggttctgt taaaatatat 120
 ttgaagaccc ttt 133

<210> 1613
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 1613
 cctagcagag aatcaccaaa tttatggaga gttaacaggg gtttaacagg aaggaagtgc 60
 ctttagtaag ttctcaagcc agaggctgga ggcagcagct aaatcagagg acagcatcct 120
 cagtgaagt gagccattcg ggggtggcatg tctctccagg aataaacaca acttagaaac 180
 aaatgatttc gtaggatagc acagtgcacat ggtgcactgt gaacctgagg cactgtgtc 240
 aaactgtgca ctggttgtga atagggagag ccaaaaatta tgctctactg gtaatgagct 300
 ttcaatggct cgatcctctc aactgaagc tctgtagagc agctcagagc cacaaccact 360
 cccaacattg acccttctgg gggtagctgt ctgtggcagc ccacaggaag gagctggaga 420
 tccccattag gactgtccac ccacacttga agccacaaaa ctgcagggat tggggctctc 480
 actggtttgg tcgcctaact cccgcctaaa aggccacaaa tttc 524

<210> 1614
 <211> 410
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 381, 391
 <223> n = A,T,C or G

<400> 1614
 ctggataagg acatcaatac cttctctatg cgtgtcaggg agtggtagcg gtatcacttt 60
 cggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggcccaagg ctaaggctat tctggatgcc tcacggctct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtctgt tgggtgtctt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg nggtgcacgt nttatgcac atgctggcag 410

<210> 1615
 <211> 107
 <212> DNA
 <213> Homo sapiens

<400> 1615
 ctgtttgtgaa aagatgaagc aaaggaggca agaaaatgct taatttagca gacaagagaa 60
 tggacagtgt gatccttggt tgtgctagcc attgggtgat gcaccac 107

<210> 1616
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 129, 133, 221, 255, 346, 389
 <223> n = A,T,C or G

<400> 1616
 aaattnttgt ttaacttttt ttttttttga gacagagtct cactctgttg cctaggctgg 60
 aggacagtgg cacaatcatg gctgattgca gccttgacct ccttgactca attgatcctc 120
 ccatctcanc ctnccaagta gctagggcta cagacatgtg caaccatgtt tggctaattt 180
 ttttaattgtt tttttgtaga gatgaggctt tattatattg nccaggctgg tcttgaattc 240
 ctgggctcaa gcttnccaag tagctgcaac aacaggcaca caccacatg ctcaactaat 300
 tttatttcta ttttttgtat agacaggggc ttgctatagt gtccangctg gtctgaaacc 360
 cttgagctca agtgatcttc ccacaccanc ctcccaaat actgggatta caggcttgag 420
 cctccatgcc tggcccaggt aacatgttta ttgagct 457

<210> 1617
 <211> 327
 <212> DNA
 <213> Homo sapiens

<400> 1617
 aaacattaga aagtgggaaa aaaaattcca ttttcttgtc attataagcc aaaacaaaat 60
 ctagtgtgtaag tcaaggaaac tcattcacac ttcaggctct tctcctccag gaaccagcat 120
 tgttatatta ttccatttta gcaaaatctg atctaattta gtaatccttc ttccttctgg 180
 tgtgatttca aactcagtga catcttcag taccatattg acaaagtcac caaatcctag 240
 aagagtacca acaatttcct tatcactctt catcacgatg tgaattcttg atcctataca 300
 tttgtccaca agctctaacg gcagcag 327

<210> 1618
 <211> 167
 <212> DNA
 <213> Homo sapiens

<400> 1618
 ctgagccagg ccgaaggacc tccatgcact ggctcggggg cctctctcgg gacactcagc 60
 actttctcta gcgtcctcca tctcactggg cagaggacag cccggaagcc tttttcactt 120
 tttcaaagta aactgctatc ttaagacaca aaaacatact tgtgggg 167

<210> 1619

09920300 073404

```
<220>  
<221> misc_feature  
<222> 480  
<223> n = A,T,C or G
```

```
<210> 1620
<211> 305
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 192  
<223> n = A,T,C or G
```

```
<210> 1621
<211> 354
<212> DNA
<213> Homo sapiens
```

<210>	1622
<211>	498
<212>	DNA

<213> Homo sapiens

<400> 1622

```
ttgccttgca ctgtggttac cataaaataa ctctcattgg catccaagct ttataaaaac 60
atcttcattt tgctcaaaaa gggcagtcac tagatacaga gaagccaaac tgaacagcct 120
caataaaata aaattaacac cagcagcgaa tcctcttgct gaagacttcg gctagagggc 180
acgtgcacca aagttctagg ctgttaaggg gccacccaca caccgtcctc gccttgaaca 240
caccagcttg gaaatcagtt atggatttta atggcctttt caaggtaagt gtagcgactc 300
ctctttgggg ctttgttgaa gtggtcgagc cctagccaag gccgaggatg agacatatta 360
ccgggctgtg gctcaaagtc tttcaaattt acttcatact cgtcttcatt tatgtactgg 420
tgtcggccca tcattacaat tgcaaattta aacttctcaa actccttctc ctggatgtcc 480
agcaggctct ggattcgc 498
```

<210> 1623

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1623

```
ccaaggaccg caagagccgc aagaagcctg tggagggtgaa gaagggcaaa gaccccaatg 60
cccccaagag gcccatgtct gcatacatgc tgtggctcaa tgccagccga gagaagatca 120
agtcagacca tcctggcatc agcatcacgg atctttccaa gaaggcaggc gagatctgga 180
agggaatgtc caaagag 197
```

<210> 1624

<211> 489

<212> DNA

<213> Homo sapiens

<400> 1624

```
aaaaaaaggc cccaggggca agttatttac agtttaattg ccaactgtcaa ctgatctgga 60
ccttgatcgg gaccgggacc tctggcgatc cacagatgct ggagacttag atctacttga 120
agaaccacgt ttctggctct tctcaggcac gggagaccta ctaacagaac gggacttgct 180
ccggctccgg ctctgctcc tgcttcttga ccggctgtaa gatttgcgac tacgggaacg 240
ggatcggtca cgagacctag aggaacttct ggtccgggat cgagacctgc ttcttgacct 300
actgtgcctt ttgctgcctt caattaattt tatttttctc ccatttattt cctttccaga 360
aagtttttca atagcattct ttaagtcacc ataagaggca aactcaacca ccccttcatt 420
taatttaggt cgggtgtgcat ccgcaaactg tacttcccca gcttgtctca tgaaatcttt 480
gagatcctt 489
```

<210> 1625

<211> 129

<212> DNA

<213> Homo sapiens

<400> 1625

```
aaaaaacacg tttgttatta ccaaaaagag acgtcttttag gtaaaaataa taaaaacccc 60
atgtgcata gataatgcag atagttctat ttatctgggc aacgggcaaa aagcaagcac 120
tttaggtct 129
```

<210> 1626

<211> 434

<212> DNA

<213> Homo sapiens

05920300.073401

<400> 1626

```

aaagaaatgg tgccttgctc tgtgtttgtg ctccctgattt ccctggaggt tctggatgaa 60
ggctgaacac aggccttgta atgtcagtcgt gtgctgagga cctcagggac ttgaggttgc 120
atctttgagc atggggtgca ggagcctttc tggatttgga tgtggctatg gaaagaacac 180
agaagccaag gtcattgtgca tgaaatgagg agtttgagtt agtcacctcg gggatttttt 240
ccattttgca gtaaaatgtt aaattaatgt agcctgcctc tatttggttg gcaggtaatt 300
tcaaaggggtt atttgcctca tctcctatct ttagtgaaat cttatgtgta attgtgtgta 360
tttattccac cgtgggaaca gagaatacct gtttagtggt gcactttaga ctgggtgtctg 420
ttttgttaat gcag 434

```

<210> 1627

<211> 432

<212> DNA

<213> Homo sapiens

<400> 1627

```

ccaccctcag ggttcaaaga gactggccca ggggtacaca attgctggaa tattctctgc 60
gagtcattgca cagctgcggg ggtgaggtgc agttatatgg tgacacacac agtggttactg 120
tgagctctca ggggtgcacag agggcaggtg acaagggcat cagctaattc gtcccacctg 180
gtccagccca tccagttcag gggcatcaag ggggctgagg ccccggtagc cactgtagac 240
cctgtgacta tcaactgacac cgtcactggg ctccattggg caaatgtagt ccgtcgattc 300
atcgaacttc ttttttctta tgtttccgaa gtgtgaaaat cctagtttcc ttggccggac 360
tttggtctgt gtggtcagtg gtgtgtaagc tgggtgaggcc attttctctc gcttttctctg 420
ttcagcctcc gg 432

```

<210> 1628

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1628

```

ccaattgaaa caaacagttc tgagaccgtt ctccaccac tgattaagag tgggggtggca 60
gggtattaggg ataataattca ttttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatata aacaatggca gcatcaccag acttcaagaa tttaggggcca 300
tcttcagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
t 421

```

<210> 1629

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1629

```

aggatctttg atagttgaga aaattatgca aagttcctca gaagttgggt atgatgctat 60
ggctggagat tttgtgaata tgggtgaaaa aggaatcatt gacccaacaa aggttgtgag 120
aactgcttta ttggatgctg ctggtgtggc ctctctgtta actacagcag aagttgtagt 180
cacagaaatt cctaaagaag agaaggaccc tggaaatgggt gcaatgggtg gaatgggagg 240
tggtatggga ggtggcatgt tctaactcct agactagtgc tttaccttta ttaatgaact 300
gtgacaggaa gcccaaggca gtgttcctca ccaataactt cagagaagtc agttggagaa 360
aatgaagaaa aggtctggctg aaaatcacta taaccatcag ttactgggtt cagttgacaa 420

```

aatatataat ggtttactgc tgtcattggc catgcctaca ga

462

<210> 1630
<211> 220
<212> DNA
<213> Homo sapiens

<400> 1630
ccttgccggc atcctccttg cctctgtacc ttctcttccc atgtgtgaac gggatgtacc 60
ggtacttaat catgtgcttg atttgccctt tcatcgtgat acagaagagc atgatgaagt 120
acatcaccag aatcggccag aacaccggga cgttgaaagc gtcgaagaaa gtacagacca 180
tagccacaag gatgcccttg gtagccgcat gccaaaattt 220

<210> 1631
<211> 504
<212> DNA
<213> Homo sapiens

<400> 1631
ccatcccctt atgagcgggc gcagtgatta taggctttcg ctctaagatt aaaaatgccc 60
tagcccactt cttaccacaa ggcacaccta cacccttat ccccatacta gttattatcg 120
aaaccatcag cctactcatt caaccaatag cctggccgt acgcctaacc gctaaccatta 180
ctgcaggcca cctactcatg cacctaattg gaagcaccac cctagcaata tcaaccatta 240
accttccttc tacacttata atcttcacaa ttctaattct actgactatc ctagaaatcg 300
ctgtcgcttt aatccaagcc tacgttttca cacttctagt aagcctctac ctgcacgaca 360
acacataatg acccaccaat cacatgccta tcatatagta aaaccagcc catgacccct 420
aacaggggcc ctctcagccc tcctaatagac ctccggccta gccatgtgat ttcacttcca 480
ctccataacg ctctcatac tagg 504

<210> 1632
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315
<223> n = A,T,C or G

<400> 1632
cacggtggct cacgcctgta atctcagcac tttggaaggc cggggcaggc ggatcacgag 60
gtcagaagat cgagaccatc ctggctaaca cagtgaagcc ccgtctctac taaaaatata 120
aagaattagt cgggcatggt ggcgggcgcc tgtagtccca gctactcggg agactgaggc 180
agaagaatgg cgtgaactca ggaggcggag cttgcagtga gccaaaggcga cagagcaaga 240
ctctgtctca aaaaataaaa aatagtgcac tgtccttcga gaaagttttc taacatctag 300
taatttgtaa cttanaagtg gagttgcctt gtggatgtct tttttgcatt ctgtaggaaa 360
tgaaacgtga atttaactcg ggttgcaaga aataaaaatg tcagtgcatt t 411

<210> 1633
<211> 403
<212> DNA
<213> Homo sapiens

<220>

05920300.073104

<221> misc_feature
 <222> 181, 375
 <223> n = A,T,C or G

<400> 1633

```
cctgctggag aacagtgggtc agatctgctg gctcacttgg ggaacacagt gaccacttca 60
taaccctcag gtggtgtgac tcgctcccgg gcatgcttct cacagtagat ttgatccctcc 120
acaaagaaat ggcccttctg tttcagggtt gtgccacagt cagtgcacac ataacactca 180
nggtggcggt gacggtcccg cagcttcaca aacacaccaa caatcccagt gccacatttg 240
tcacacatag gcaacttctg agcatttcca atcgacgcag ccactttagt gacaggagct 300
ttaacacttc tgaatcctga gggcttggtt ggatcccctt tttcttcaga ctccaggatt 360
tcctgcaaaa ccaanaaaga cgtggactgt ttcgggggct cat 403
```

<210> 1634
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1634

```
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcac attggcgggc cagcctcat tacgattcgc 120
ctgcttgctt ctctgttca atcgcttctt tgggaaggcag tggatttttc tcttgctgct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg gggttgctcag 240
acatgggtgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctgggtctgcg 300
cagtggcca 309
```

<210> 1635
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 401
 <223> n = A,T,C or G

<400> 1635

```
gtgtgtgtgt gtgtgtgtac gtgtgctgtg tgtgcatgtg ctgtgtgcat gtgtgtgctg 60
tgtttgtgtg tgtgctgtgt gtgctgtgtt cgtgtgtgct gtgttcgcgt gtgtgtgctg 120
tgtgtgcatg tgtgtgctgt gtctttgtgt gtgtgctgtg tgctagtgtg ctgtgtgtgc 180
atgtgtgtgc gtgtgctgtg cgtttgtgtg ctgtgtgctc gtgtgtgtgc tgtgttcatg 240
cgtgtgctgt gtgttgtgtg tgtgtagctg cggggatgca taaagtatga gtgttttta 300
ggatgggaat tgggatgtaa gatttggggg tgagggtcgt gccaatata tttcatttgc 360
atggattttg gttttcatgc tctgtcctgc acatcactca ngatttcaat ggtg 414
```

<210> 1636
 <211> 64
 <212> DNA
 <213> Homo sapiens

<400> 1636

```
aaaggaagcc agcaccatag cagagtacat aagtggctat cagagaagcc agccgatatg 60
gatt 64
```

05920300.03404

<210> 1637
 <211> 514
 <212> DNA
 <213> Homo sapiens

<400> 1637
 ccagagcacg tgaggatctg caaaaaatga aacaatttgc tcaggatttt gtgatgcaca 60
 cagatgtcag aacctgctcg tcatctacta gtgtcattgc ggacctccag gaggatgagg 120
 atggtgttta ttccagctca tacgggcatt atgggataca tgaagaaatg ctaaaggaca 180
 aaatacgaac agaaagctac cgagatttca tataccaaaa tccacatatc ttcaaagaca 240
 aggtagtttt ggatgttggg tgtggaactg gaattctctc tatgtttgct gctaaagctg 300
 gggcgaagaa ggttcttgga gttgatcaat ctgaaatact ttaccaggca atggatatta 360
 taagactaaa taaacttgaa gatactatta cactaattaa aggaaagatt gaagaagttc 420
 atcttcctgt agaaaaagta gatgttatca tatctgagtg gatgggctat tttcttctgt 480
 ttgagtcctat gttagattct gtccttttatg caaa 514

<210> 1638
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 1638
 cctgtgacaa gccacactgt cctccagaac ccatcgagct ttaggcaaaa tgtttttaggc 60
 atctgactaa ggagcccacc cgagtatgag taacagaagc caagatctga gctttctaga 120
 gggcagggcc tctttctagt cccagcctc ttctgtgtgt tgt 163

<210> 1639
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 404
 <223> n = A,T,C or G

<400> 1639
 cctactttga aaacgactgc tgggtcaggt acttcctgca cacaggccac ctgaccattg 60
 caggctgcaa aatgtcaaag tcactaaaaa acttcatcac cattaaagat gccttgaaaa 120
 agcactcagc acggcagttg cggctggcct tctcatgca ctcgagggaag gacaccctgg 180
 actactccag caacaccatg gagtcagcgc ttcaatatga gaagttcttg aatgagtttt 240
 tcttaaatgt gaaagatatc cttcgcgctc ctgttgacat cactggtcag ttgagaagt 300
 ggggagaaga agaagcagaa ctgaataaga acttttatga caagaagaca gcaattcaca 360
 aagccctctg tgacaatgtt gacacccgca ccgtcatgga aganatgcgg gccttggtca 420
 gtcagtgcaa cctctatatg gcagcccgga aagccgtgag gaagaggccc aaccaggctc 480
 tgctggagaa catcgccctg tacctcacc atagtctgaa gatcttt 527

<210> 1640
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

05920300 "073101

<222> 17, 262

<223> n = A,T,C or G

<400> 1640

```
attaggtttt ggcacanagc aggcgcctta tggaatgcag acacagaatt accccaaagg 60
cggcctcctg gacagcatgt gtccggcctc cacaccagc gtactcagct ctgagcagga 120
gtttcagatg ttccccaagt ctccggctcag ctccgtcagc gtcacctact gctctgtcag 180
tcaggacttc ccaggcagca acttgaattt gtcaccaaac aattctggga cgcccaaaga 240
ccacgactcc cctgagaacg gngcggacag 270
```

<210> 1641

<211> 495

<212> DNA

<213> Homo sapiens

<400> 1641

```
ctgatgtatt ttaatctgtt tctgttctat cttgtaatta atttggtggg ttctacttgt 60
tttaacataa ataaagagta tgcagcacgt ttaataaaat cagaactctt aattggctta 120
tgccaggtc taggctgaga agtcctttt cttcttccca cttttatttc cttagtttct 180
gtccacctta atcgaaacaa cacatggta tgtcttttc ctgctacaac tacagggtac 240
ttgagccttt cccctcaagt gcattcgaag tcaccagga tgatcctcac tagtagcctg 300
ctttggcagt gtggcttttt gcacacttgc cctgtcttcc tgagactact tcagtaagcc 360
atgcttcctt ctcccccact tttatttggt gtcataaata gaaacttcca aatgtaacca 420
tggaagctaa gtttggcctg ctttgctttt tagtctccac accatgggca gaactgctgt 480
ctttactact tcatac 495
```

<210> 1642

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 407, 486

<223> n = A,T,C or G

<400> 1642

```
gcctgagcgg ggaagcccg ccaacaggtgg aggtcttcag acagaatctt ttccaggagg 60
ctgaggaatt cctctacaga ttcttgccac agaaaatcat atacctgaat cagctcttgc 120
aagaggactt cctcaatgtg gctgacttga ctccctccg ggccccactg gacatcccca 180
tcccagaccc tccacccaag gatgatgaga tggaaacaga taagcaggag aagaaagaag 240
tccctaagtg tggatttctc cctgggaatg agaaagtct gtccctgctt gccctgggta 300
agccagaagt ctggactctc aaagagaaat gcattctggt gattacatgg atccaacacc 360
tgatcccca gattgaagat ggaaatgatt ttggggtagc aatccangag aaggtgctgg 420
agagggtgaa tgccgtcaag accaaagtgg aagctttcca gacaaccatt tccaagtact 480
tctcanaacg tggggatgct gtgg 504
```

<210> 1643

<211> 372

<212> DNA

<213> Homo sapiens

<400> 1643

```
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
```

090300 073104

cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtaggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tc 372

<210> 1644
<211> 462
<212> DNA
<213> Homo sapiens

<400> 1644
ctggagctga ctttttttga ttttctcatc cagccatcca caacctgac cagagctgtc 60
caggagctcg aaaatgcatc aattaccagt gggtgaaatt tgatgtgtgc aaacctggag 120
atgggcagct acctgagggg ctgccggaga atgatgcagc tatgagcttt gaagcctttc 180
agagacagat ctttgatgaa gatcagaatg atcccccttct gccaggatcc ttggacctcc 240
cagagcttca gcctgcagcc tttgcgtctt cttaccagcc catgtacctg acacatgaac 300
ccttggtaga tactcacctg cagcacttga agtctccatc acagggtagc ccaattcagt 360
cttcagattg aacaagaagg gatcagatgc cacatcgttt ttgtcgtgat taatttaact 420
taaaactaaa ttttgggtat atgaaagaag gcagcaattc ag 462

<210> 1645
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1645
ccagggtctg gaagggccct gggagcgccc acccctctg gatgagtcg agagagatgg 60
aggctctgag gaccaagtgg aagaccagc actaagtgag cctggggagg aacctcagcg 120
cccttcccc tctgagcctg gcacataggc accagcctg catctcccag gaggaagtgg 180
aggggacac gctgttcccc agaaaccac tctatcctca ccctgttttg tgcttttccc 240
ctgcctgct agggctgcgg cttctgactt ctagaagact aaggctgggc tgtgtttgct 300
tgtttgcccc cctttggctg ataccagag aacctgggca cttgctgcct gatgccacc 360
cctgccagtc attcctccat taccagcg ggaggtggga tgtgagacag cccacattgg 420
aaaatccaga aaaccgggaa cagggatttg ccttcacaa ttctactccc cagatcctc 479

<210> 1646
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1646
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtgacatgc gaagccaata tgaggatcat gccgagcaga accggaagga 180
tgctgaagcc tgggttcacca gccggactga agaattgaac cgggaggtcg ctgg 234

<210> 1647
<211> 457
<212> DNA
<213> Homo sapiens

<220>

05920300.073101

<400> 1647

<210> 1648

<211> 566

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ 208, $\bar{5}42$

<223> n = A, T, C or G

<400> 1648

aaagcaagaa	acagaatgcg	agtaatcaga	aagcactagc	aggcatcagt	taatccaaga	60
tactagctct	tagttccaaa	agcacttgca	aagaaaacct	tttgggggga	aggggtggag	120
agggatggaa	gcactccata	ataactggaa	tcccatgagt	gtgtatgcca	agtctcatga	180
ggctattttt	tgaattttatc	ctttactngg	tcatggtttt	ttccctcaaa	tacaattttt	240
ctttgacttt	ttttcctcaa	agtataaaaa	gtatgaaata	taaacaagct	cttgactgc	300
acacttagaa	gtgtacaatt	caagcattat	agagctatct	acacactgat	aaatcccatc	360
gaatcttgga	taattcatta	atatacaaaa	tatcagggca	cagaaagaac	taaaaccac	420
ttctttttgt	tacacataag	attcaaatat	tcaatctaaa	gaaaaacaca	atcactttcg	480
ctctcttcta	catctgcatg	gtgatacact	tattaaaata	ttcctgtata	atcatgtttg	540
gnqttactat	ttcaagtcag	gtttac				566

<210> 1649

<211> 306

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle$ 113, $\bar{1}22$, 129, 149

<223> n = A, T, C or G

<400> 1649

ggctggtctc	gaactgtctt	caagtgatcc	acccacctcg	gcctctcaaa	gtgctgggat	60
tacagtcgtg	agccaccgcg	cctggctatg	tgaagatttt	gaggcacgct	gancctacac	120
angcaggtng	cgggtgcagc	actccagcnc	ttctctgaca	ttaggttaca	ctcaacttct	180
ctggcacctc	tctgtgcag	ccaactgaat	gttttgaggt	ttctcctttc	ttattcttcc	240
tttgaaagaa	cccaaacagc	tcattctctg	gtataaattt	gaaaacattt	ttgctgaata	300
ttatat						306

<210> 1650
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 1650
 aaaaagaaaa gttgaattat ggtttccaga gctttaggag tccatcttca ctgtaggtag 60
 caatcagggt ctgatgaggg tgatgtgcaa taccaatcac atccttctcg tgcactgtca 120
 aagttctctc cagtttgcca gtgactgtac tgaaacagta gagcacaaag ccctccccta 180
 cacagtagat ccattcacca cggggagaga gggcacagca aacaaagtcc ccaccttctc 240
 ttttaccaga actgaagctt ctgacaatct gcccctgcat gttcatgatg accaccgtgt 300
 ttgatctgtt gcacaccaca aagtgtctag ggtttttagg aagtagaatc acactgttga 360
 cgtaatatc tgtccctgcg gtgctgcccc gggattt 397

<210> 1651
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 1651
 ctgggcttcc atcaatagtt cattcacttc tggactaaca ccatggaggg ggatacaact 60
 tcgtccagtt gagaaggggg agtgcaaata tgaggttctg ttgtcccagt catcaggcaa 120
 agaaaatgat gttgtgccag gaggttgaga taccttgttt gtgtctgaca cctgtcctgc 180
 tgaggcttgc catctgctat ataacagtcc tgagcccact cgatcttgca caaatttaag 240
 attccctgac gaaagcagtt gctgggctct gtgctgccag ttcacggttc tttcaatcat 300
 atatcgaagt gcatctccct caggaaggcg aactcggata cgctgaaggg aggcgagcag 360
 gggcagaatt ttctctaatt gaggtttctc tgacctccga caatggggac aaagccagat 420
 tcgcaggccc tgtgaaatac tgggtaccgc cacacaactg gtgtggaaag catccctgca 480
 gagttcacat tgaatcatag gggcag 506

<210> 1652
 <211> 265
 <212> DNA
 <213> Homo sapiens

<400> 1652
 caccattatg cagaatccac gccagtacaa gatcccagac tggttcttga acagacagaa 60
 ggatgtaaag gatggaaaat acagccaggt cctagccaat ggtctggaca acaagctccg 120
 tgaagacctg gagcgactga agaagattcg ggcccataga gggctgcgtc acttctgggg 180
 ccttcgtgtc cgaggccagc acaccaagac cactggccgc cgtggccgca ccgtgggtgt 240
 gtccaagaag aaataagtct gtagg 265

<210> 1653
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1653
 cttagcggct gctgttggtt gggggccgtc ccgctcctaa ggcaggaaga tgggtggccgc 60
 aaagaagacg aaaaagtcgc tggagtcgat caactctagg ctccaactcg ttatgaaaag 120
 tgggaagtac gtcctggggg acaagcagac tctgaagatg atcagacaag gcaaagcgaa 180
 attggtcatt ctgcctaaca actgcccagc tttgaggaaa tctgaaatag agtactatgc 240
 tatgttggct aaaactgggtg tccatcacta cagtggcaat aatattgaac tgggcacagc 300
 atgcggaaaa tactacagag tgtgcacact ggctatcatt gatccagggtg actctgacat 360

364

<400> 1654						
ccagatccat	tttcagtggt	ctggattttct	ttttatttttc	ttttcaactt	gaaagaaact	60
ggacattagg	ccactatgtg	ttgttactgc	cactagtgtt	caagtgcctc	ttgttttccc	120
agagattttcc	tgggtctgcc	agaggcccg	acaggctcac	tcaagctctt	taactgaaaa	180
gcaacaagcc	actccaggac	aaggttcaaa	atggttacaa	cagcctctac	ctgtcgcccc	240
agggagaaag	gggtagtgat	acaagtctca	tagccagaga	tggttttcca	ctccttctag	300
atattcccaa	aaagaggctg	agacaggagg	ttattttcaa	ttttattttg	gaattaaata	360
cttttttccc	tttattactg	ttgtagtccc	tcacttggat	atacctctgt	tttcacgata	420
gaaataaagg	aggtctagag	cttctattcc	ttgg			454

```
<400> 1655
aaattatgga agtggaaatt acaatgattt tggaaattat aaccagcaac cttctaacta 60
cgggtccaatg aagagtggaa actttggtgg tagcaggaac atggggg      107
```

<400> 1656						
ccattttgtca	tacttgggaa	ccagagacac	ccatccctac	gccagcttga	gccgtgcact	60
gcagacacaa	tgtgtatttt	cttctcccag	tcactgatg	agccagcagt	atagaccata	120
tagtttcttc	actaaattga	ctgcagatga	gctgtggaaa	ggcgctttag	cagagactgg	180
tgctggagca	aaaaaaggaa	gaggcaaaag	aactaaaaag	aagaaaagaa	aggatctgaa	240
caggggtcag	atcattggtg	aagggcgtta	tggttttcta	tggcccgga	tgaatgtccc	300
tcttatgaaa	aatggagcag	tgagaccat	tgcacaaaga	agcaaggaag	agcaggagaa	360
ggtggaggca	gacatgatcc	agcagagaga	agagtgggac	cgaaagaaga	agatgaaggt	420
taaacgggag	cgaggatgga	gtggaaactc	a			451

```
<220>  
<221> misc_feature  
<222> 41, 156, 236, 344, 421  
<223> n = A,T,C or G
```

```
<400> 1657
aaattcttca ttttaccagc aactgctgac atcaaagtct nccctcccc aacaacaaaa 60
atacaattaa aaaaaataaa taataaagtc atttgtgac gttgctgtgg ttctgagctg 120
```

```

caaaggcact ttcaaataca gaactacttg tacgtnatca taaaaccaat atacaaaaaac 180
aactcaagag tcaataaata taaataaaaac tatgatctaa gactgcatca ccatnnggac 240
atctggcaga agtgggagct caaagaccag ggggctgggc aggctcctgg gagcctgac 300
cgagaccgtg tcggctgcaa ggggacacac aaccagggtg ctgntgacta gctttttgca 360
tagctgtgag atgcggcact cgatttccca gcccaaccaca gaaactacca ttgccagtgt 420
nagccagctt gtcaaaactt aaattaacac agggattcta agtcagcaac ggcctcagac 480
tcgagtatga cacgacagtt t

```

```

<210> 1658
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 441
<223> n = A,T,C or G

```

```

<400> 1658
cctacagact tattttcttct tggacacacc cacggtgcgg ccacggcggc cagtgggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgaagc agccctctat gggcccgat 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcggtgga ttctgcataa tggatgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt cctcaacacc acatgagcat atcttcggcc 360
cacaccctta atggcagtgga tggcaaaggc tattttccgc cgcccatcga tgttgggtgtt 420
gagtactcgc aaaatatgct ngaacttttc agggat

```

```

<210> 1659
<211> 476
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 13, 16, 31, 50, 61, 106, 276, 366, 400, 413, 433
<223> n = A,T,C or G

```

```

<400> 1659
aaaccctttn ctncnccat tttgacattt ncacttggag aacacttgan ttgtgaaggt 60
nttgggcata caccocagaa agtgggaatt tgattttatc cttccnaact ggaagaacat 120
ttttatgaag aattttttgtc taggagaata taacagtgtt acccaagggt gtgtctttta 180
gggtgggttca ttttctctgg ccttttggta ctcaaagtaa agtactagga gtcctaagaa 240
atgttctgtt cttgtacatt atactgatta agtcangatt aatttgattt caaagctgag 300
aacagtggta aaaactcgtt tacagaaatg cattttggaa gagaaaaata ctgtaaaacg 360
tgtcngaat gtttcttcag tttcttgttc agccaatgan gaaagggcat tgnctttctt 420
tttaccatta atnacttctc aataaacgtg agatcctgtt gagcataaaa aaaaaa

```

```

<210> 1660
<211> 116
<212> DNA
<213> Homo sapiens

```

```

<400> 1660

```


caggtaaaaa atgactgttc aggagtgttc aagtagggtc agatgaccag tgattgggaa 60
tacttcgtaa gcaggagcaa gtaagatctg agccactgtt ctatcggtag ggtgtc 116

<210> 1661
<211> 386
<212> DNA
<213> Homo sapiens

<400> 1661
aaagataact cagcatgttt gtaaagcagg atacatttta ctaaaagggt cattgggttcc 60
aatcacagct cataggtaga gcaaagaaag ggtggatgga ttgaaaagat tagcctctgt 120
ctcgggtggca ggttcccacc tcgcaagcaa ttggaaacaa aacttttggg gagttttatt 180
ttgcattagg gtgtgtttta tgtaagcaa aacatacttt agaaacaaat gaaaaaggca 240
attgaaaatc ccagctatct caccctagatg gaatagccac cctgagcaga actttgtgat 300
gcttcattct gtggaatttt gtgcttacta ctgtatagtg catgtggtgt aggttactct 360
aactggtttt gtcgacgtaa acattt 386

<210> 1662
<211> 364
<212> DNA
<213> Homo sapiens

<400> 1662
ccatatgact cctgggggcca cctccacgac ggcccagccc caccgacgct ctgctgaaaa 60
tcctgcccct cagcaggagc caagcttggt ccccaaatag tggtgacctc aaactgcaat 120
atgatgaaac ctgcagccaa cactgcccct cacaagggtt tctggaaagg ctgaagctgg 180
agacggtaaa ccacaacacc gtcccagggt actccagggt accccagcta aagacattca 240
acaccagcca aaaggctaaa gtttagtttg aagggttcaa aggcaaatac actgaaaccc 300
acgtgtaaac ctgcctgggt ttcaaactgg aagagaaaca ctttggtgtc ttcaataacc 360
cagg 364

<210> 1663
<211> 5265
<212> DNA
<213> Homo sapiens

<400> 1663
aacagggttg tcgtgggggc cccgcgggca gaagcgcttc cactgcagag agccaacaga 60
acgggaggggc tgtacagctg cgacatcacc gcccgggggc catgcacgag gatcgagttt 120
gataacgatg ctgacccac gtcagaaagc aaggaagatc agtggatggg ggtcaccgtc 180
cagagccaag gtccaggggg caaggctcgtg acatgtgctc accgatatga aaaaaggcag 240
catgttaata cgaagcagga atcccagagc atctttgggc ggtgttatgt cctgagtcag 300
aatctcagga ttgaagacga tatggatggg ggagattgga gcttttgtga tgggcgattg 360
agaggccatg agaaatttgg ctcttgccag caagggtgtg cagctacttt tactaaagac 420
tttcattaca ttgtatttgg agccccgggt acttataact ggaaagggat tgttcgtgta 480
gagcaaaaga ataacacttt ttttgacatg aacatctttg aagatgggac ttatgaagtt 540
gggtggagaga ctgagcatga tgaaagtctc gttcctgttc ctgctaacag ttacttaggt 600
ttttcttttg actcagggaa aggtattgtt tctaaagatg agatcacttt tgtatctggt 660
gctcccagag ccaatcacag tggagccgtg gttttgctga agagagacat gaagtctgca 720
catctcctcc ctgagcacat attcgatgga gaaggctctg cctcttcatt tggctatgat 780
gtggcggttg tggacctcaa caaggatggg tggcaagata tagttatttg agccccacag 840
tattttgata gagatggaga agttggaggt gcagtgtatg tctacatgaa ccagcaaggc 900
agatggaata atgtgaagcc aattcgtctt aatggaacca aagattctat gtttggcatt 960
gcagtaaagg atatgggaga tattaatcaa gatggctacc cagatattgc agttggagct 1020

ccgtatgatg	acttgggaaa	ggttttttatc	tatcatggat	ctgcaaatgg	aataaatacc	1080
aaaccaacac	aggttctcaa	gggtatatca	ccttatttttg	gatattcaat	tgctggaaac	1140
atggaccttg	atcgaaattc	ctaccctgat	gttgctgttg	gttccctctc	agattcagta	1200
actattttca	gatcccgcc	tgtgattaat	attcagaaga	ccatcacagt	gactcctaac	1260
agaattgacc	tccgccagaa	aacagcgtgt	ggggcgcccta	gtgggatatg	cctccagggt	1320
aaatcgctgt	tttgaatata	ctgctaaccc	cgctgggttat	aatccttatc	tagcaattgt	1380
gggcacactt	gaagctgaaa	aagaaagaag	aaaatctggg	ctatcctcaa	gagttcagtt	1440
tcgaaaccaa	ggttctgagc	ccaaatatac	tcaagaacta	actctgaaga	ggcagaaaca	1500
gaaagtgtgc	atggaggaaa	ccctgtggct	acaggataat	atcagagata	aactgcgtcc	1560
cattcccata	actgcctcag	tggagatcca	agagccaagc	tctcgtaggc	gagtgaattc	1620
acttccagaa	gttcttccaa	ttctgaattc	agatgaaccc	aagacagctc	atattgatgt	1680
tcacttctta	aaagagggat	gtggagacga	caatgtatgt	aacagcaacc	ttaaactaga	1740
atataaattt	tgcacccgag	aaggaaatca	agacaaattt	tcttatttac	caattcaaaa	1800
aggtgtacca	gaactagttc	taaaagatca	gaaggatatt	gcttttagaaa	taacagtgac	1860
aaacagccct	tccaacccaa	ggaatcccac	aaaagatggc	gatgacgccc	atgaggctaa	1920
actgattgca	acgtttccag	acacltttaac	ctattctgca	tatagagaac	tgagggtctt	1980
ccctgagaaa	cagttgagtt	gtgttgccaa	ccagaatggc	tgcgaagctg	actgtgagct	2040
cggaaatcct	tttaaaagaa	attcaaagt	cactttttat	ttggttttta	gtacaactga	2100
agtcaccttt	gacacccag	atctggatat	taatctgaag	ttagaaacaa	caagcaatca	2160
agataatttg	gctccaatta	cagctaaagc	aaaagtgggt	attgaactgc	ttttatcggt	2220
ctcgaggagt	gctaaacctt	cccagggtga	ttttggagggt	acagttgttg	gcgagcaagc	2280
tatgaaatct	gaagatgaag	tgggaagttt	aatagagtat	gaattcaggg	taataaactt	2340
aggtaaacct	cttacaaccc	tccgcacagc	aaccttgaac	attcagtggc	caaaagaaat	2400
tagcaatggg	aaatggttgc	tttattttggt	gaaagtagaa	tccaaaggat	tggaaaagggt	2460
aacttgtgag	ccacaaaagc	gagataaact	ccctgaacct	aacggagtct	cacaactcaa	2520
gaaagaaacg	ggaaattact	gaaaaacaga	tagatgataa	cagaaaattt	tctttatttg	2580
ctgaaagaaa	ataccagact	cttaactgta	gcgtgaacgt	gaactgtgtg	aacatcagat	2640
gcccgtgcg	ggggctggac	agcaaggcgt	ctcttatttt	gcgctcgagg	ttatggaaca	2700
gcacatttct	agaggaatat	tccaaactga	actacttggg	cattctcatg	cgagccttca	2760
ttgatgtgac	tgtctgtgcc	gaaaatatca	ggctgccaaa	tgcaggcact	caggttcgag	2820
tgactgtggt	tccctcaaag	actgtagctc	agtattcggg	agtaccttgg	tggatcatcc	2880
tagtggctat	tctcgctggg	atcttgatgc	ttgctttatt	agtgtttata	ctatggaagt	2940
gtgggtttctt	caagagaaat	aagaaagatc	attatgatgc	cacatatcac	aaggctgaga	3000
tccatgctca	gccatctgat	aaagagaggc	ttacttctga	tgcatagtat	tgatctactt	3060
ctgtaattgt	gtggattctt	taaacgctct	aggtagcatg	acagtgttcc	ccgataccat	3120
gctgtaagga	tccggaaaaga	agagcgagag	atcaaagatg	aaaagtatat	tgataacctt	3180
gaaaaaaaac	agtggatcac	aaagtggaac	gaaaatgaaa	gctactcata	gcgggggcct	3240
aaaaaaaaaa	agcttcacag	tacccaaact	gctttttcca	actcagaaat	tcaatttgga	3300
tttaaaagcc	tgtcfaatcc	ctgaggactg	atttcagagt	gactacacac	agtacgaacc	3360
tacagtttta	actgtggata	ttgttacgta	gcctaaggct	cctgttttgc	acagccaaat	3420
ttaaaactgt	tggaaatggat	ttttctttta	ctgccgtaat	ttaaactttct	gggttgccctt	3480
tattttttggc	gtggctgact	tacatcatgt	gttggggaag	ggcctgccca	gttgactca	3540
ggtgacatcc	tccagatagt	gtagctgagg	aggcacctac	actcacctgc	actaacagag	3600
tggccgtcct	aacctgcggg	cctgctgcgc	gaacgtccat	cacgttagct	gtcccacatc	3660
acaagactat	gccattgggg	tagttgtggt	tcaacggaaa	gtgctgtctt	aaactaaatg	3720
tgcaatagaa	ggtgatgttg	ccatcctacc	gtcttttccct	gtttcctagc	tgtgtgaata	3780
cctgctcacg	tcaaatgcat	acaagtttca	ttctcccttt	cactaaaaca	cacaggtgca	3840
acagacttga	atgctagtta	tacttatttg	tatatgggat	ttattttttc	ttttctttac	3900
aaaccatttt	gttattgact	aacaggccaa	agagtctcca	gtttaccctt	caggttgggt	3960
taatcaatca	gaattagagc	atgggaggtc	atcactttga	cctaaattat	ttactgcaaa	4020
aagaaaatct	ttataaatgt	accagagaga	gttgttttaa	taacttatct	ataaactata	4080
acctctcctt	catgacagcc	tccaccccac	aacccaaaag	gtttaagaaa	tagaattata	4140
actgtaaaga	tgtttatttc	aggcattgga	tattttttac	tttagaagcc	tgcataatgt	4200
ttctggattt	catactgtaa	cattcaggaa	ttcttggaga	aaatgggttt	attcactgaa	4260

ctctagtgcg gtttactcac tgctgcaaact actgtatatatt caggacttga aagaaatggg 4320
 gaatgcctat ggtggatcca aactgatcca gtataagact actgaatctg ctacccaaac 4380
 agttaatcag tgagtcgatg ttctatTTTT tgttttgttt cctcccctat ctgtattccc 4440
 aaaaattact ttggggctaa tttacaaga acttttaaatt gtgttttaatt tgtaaaaatg 4500
 gcaggggggtg gaattattac tctatacatt caacagagac tgaatagata tgaagactga 4560
 ttttttttaa ttaccatgct tcacaatggt aagttatatg gggagcaaca gcaaacagggt 4620
 gctaatttgt tttggatata gtataagcag tgtctgtgtt ttgaaagaat agaacacagt 4680
 ttgtagtgcc actgttgttt tggggggggt tttttctttt cggaaatctt aaaccttaag 4740
 atactaagga cgttgttttg gttgtacttt ggaattctta gtcacaaaat atattttgtt 4800
 tacaaaaatt tctgtaaaac aggttataac agtgttttaa gtctcagttt cttgcttggg 4860
 gaacttgtgt cctaattgtg tttagattgc tagattgcta aggagctgat actttgacag 4920
 tgtttttaga cctgtgttac taaaaaaaag atgaatgtcc tgaaaagggg gttgggaggg 4980
 tggttcaaca aagaaacaaa gatgttatgg tgtttagatt tatggttgtt aaaaatgtca 5040
 tctcaagtca agtcactggt ctgtttgcat ttgatacatt tttgtactaa ctacattgt 5100
 aaaatttttt catgattaga aattacctgt ggatatttgt ataaaagtgt gaaataaatt 5160
 ttttataaaa gtgttcattg tttcgtaaca cagcattgta tatgtgaagc aaactctaaa 5220
 attataaatg acaacctgaa ttatctattt catcaaacca aagtt 5265

<210> 1664
 <211> 911
 <212> DNA
 <213> Homo sapiens

<400> 1664
 ccaaaagaaa ttagcaatgg gaaatgggtg ctttatttgg tgaaagtaga atccaaagga 60
 ttggaaaagg taacttgtga gccacaaaag gagataaact ccctgaacct aacggagtct 120
 cacaactcaa gaaagaaacg ggaaattact gaaaaacaga tagatgataa cagaaaattt 180
 tctttatttg ctgaaagaaa ataccagact cttaactgta gcgtgaacgt gaactgtgtg 240
 aacatcagat gcccgctgcg ggggctggac agcaaggcgt ctcttatttt gcgctcgagg 300
 ttatggaaca gcacatttct agaggaatat tccaaactga actacttggg cattctcatg 360
 cgagccttca ttgatgtgac tgctgctgcc gaaaatatca ggctgccaaa tgcaggcact 420
 caggttcgag tgactgtgtt tccctcaaag actgtagctc agattcgagg gtaccttggg 480
 ggatcatcct agtggctatt ctgcgtggga tcttgatgct tgctttatta gtgtttatag 540
 tatggaagtg tggtttcttc aagagaaata agaaagatca ttatgatgcc acatatcaca 600
 aggctgagat ccatgctcag ccatctgata aagagaggct tacttytgat gcatagtatt 660
 gatctacttc tgtaaktgtg tggattcytt aaacgctcta ggtacgatga cagtgttccc 720
 cgataccatg ctgtaaggat ccggaagaa gagcgagaga tcaaagatga aaagtatatt 780
 gataaccttg aaaaaaaaac gtggatcaca aagtggaaacg aaaatgaaag ctactcatag 840
 cgggggccta aaaaaaaaag cttcacagta cccaaactgc tttttccaac ttagaaattc 900
 aatttggatt t 911

<210> 1665
 <211> 2013
 <212> DNA
 <213> Homo sapiens

<400> 1665
 tctctctctc ctctccacac agagcttaga agcaaagtta agagactcat cagattctga 60
 gctgctgcgg gatattttgc agaagcacga ggctgtccac acagagcctt tggatgagct 120
 gtacgagggtg ctggtggaga ccctgatggc caaggagtcc acccagggcc accggagcta 180
 tttgctgacg tgctgtattg cccagaagcc atcgtgtcgc tggtcggggg cctgaggagg 240
 ctggctgcct gccgggagca ccagcgggct cctcaattct acatggccct taccgtctgc 300

aaccagaga tgtgccagct gttcaccacc gagctatgct ggactgggat cagatgggaa 360
gcggaagctc atcatgacca gaaactgttt ccctacagag agcacttgga gatggcaaag 420
ctgaacctca cactgtagga ctacacatg actccaacgg gattgtgaga attaagtcac 480
tctcgtggga agaattttta tatgggaaag cggataaaac ttctattgga ctggaatgtt 540
tggagaatgt taaattccaa atcaggaacc acaaactgcg ctctaataag acatcggcta 600
tctaagcatg tgggttcccc ctttctgcca gcagttctgg ttcttaagaa aatcaccata 660
aatcagacat gaaaattctg gctccaaaaa tagcattttc attgtgcaaa taaaaacgtg 720
tgtatcaagt atgacattcc cccaacgtgg acacacttgg ttctcacaag agccaagccc 780
gctgcagctg ccacatccct ggacacactc gtttcctcac aaagccaagc ccgctgcagc 840
tgccacatcc ctggacacac tcggttcctc acaaagccaa gcccgtgca gctgccacat 900
ccctggacac actcgttttc tcacaaagcc aagcccgtg cagctgccac atccctggac 960
acactcgttt cctcacaag ccaagcccgc tgcagctgcc acatccctgg acacactcgg 1020
ttcctcaaaa agccaagccg gctgcagctg ccacatccct gggtttatga tgcagcaggt 1080
gcttttttca agacaggaat caaagtgtta ggaacatggc agaaaggtga cacctggaga 1140
ccaaatgcag ggtaaggagt actgcagagg tcacagggaa gtcacagAAC agtaatacgc 1200
tagcaggggc atggggcgtg aagaacagaa gacaggaagc gtttcagaga ctccaaagaa 1260
gaaatcaggg ccaaccacag cttcccaggt cattcaccag gtggcaccac tgccttcatt 1320
tcagcttccg gccactggga ggcgctgctc gaaagggttt gccctgagac accaagaaga 1380
agctgcggga aggacagcag gggccctggg gttttagcct ctggcccagg agttatgtgt 1440
ccataaccaa agggagcaca gtctgcacc agctctcatc ccacagagc tgcctgcgact 1500
cccgaggtt cttccagaac tggtttagct tgcctgcagg atcaggaaag tttgagaaaa 1560
gcatctgcaa aataactaaag agcagagctt acttcattgc ctgtccccac cccatcccag 1620
gtcaccacct ggctgaaccc aggtccccga cccaacaaca acccctccca agtccctaac 1680
tccctcactt ggacttgaga cccttcacaa cccagcagcg ctccgcctcc aacttgacat 1740
catgctttct ggaaacttcc ccgtgtgtcc cactttccca cacttgggtg gctggagcac 1800
cttccggcct ctacatgctg tacgttcccc tgtgagcacc ctctctcag cctctggcca 1860
acacagtccc acccatctgt gggtaacaag ggggtgtggg tgttcttttc agccttgcta 1920
aactgtctga atcaaggatc acaaactaca gcctgcaggc caaatccagc ccacagcctg 1980
tgtttgtaaa taaagcttta ttggaacaaa gcc 2013

<210> 1666
<211> 451
<212> DNA
<213> Homo sapiens

<400> 1666
ctgttcacca ccgagctagg ccgggctggg atcatatggg aagcggagc tcatcatgac 60
cagaaactgt ttccctatgg agagcacttg gagatgacaa tgctgaacct cacactgtag 120
gactcacaca cgactccaac gggattgtga gaatcaagtc aatctcatgg gaagaatttt 180
tatatgggaa agcggataaa actttcattg tactggaatg tttggagaat gttaaatttc 240
aaatcagaaa ccacaaactg ccctctaata agacatcggc tatctaagcg tgtgggtgcc 300
ccctttctgc cagcagttct ggttcttacg aaaatcacca tatatcagac atgaaaattc 360
tggttttgtg cagataaaaa agtgtgtatc aagtatgacg ttcccccaat gtggacacac 420
ttggttcctc agaaagccaa gcccactgca g 451

<210> 1667
<211> 3149
<212> DNA
<213> Homo sapiens

<400> 1667
taatgaggaa tcaaaggaag aagaagaaag agagaggaag gaagggttga aggaaggaag 60
gagggaaaat tagaagggga aaccatgatt gctgggtgagg ttttgagcac attttctgc 120
aggctggtat ggggtgagagg tttggtcttg tttgcaaata ttctgaaggc cattccagag 180

gagcagttgc cactgcccc tccctgagc tctgagcatg ggggttcccc tggggagact 240
 cctggtgaga ggatgccgat ttctgctgat ctgtcactgg gtaccgagga ctgggtgtgt 300
 ttaaggcaga cagccagggtg aggatcccag ctactggggc ctgctgtcat ctctgggag 360
 taccggggg tccaggagcct aggggactct tgcacttcac atccagccat gctaattaca 420
 ctttttggca aaggaaacag ctaggagcag ttcttttcac tctacagcc ccgttttctc 480
 agtgtttaga cctcgaatta ttactgggct agaggggaagg cagcctctga agtgtggcag 540
 gaggagggga agtctgcctg catcttggtg tgtctgtcag atgccagcac taataacctg 600
 gcttctgtga ggctgtcag tgctctcagg aatgaaaggg gacccctgag aggtgctcgg 660
 taccagcagg ctgtgaatgc tctctacca ccacctcac ctctcggtta aagatggtgc 720
 tatctgccac acagcagaca tctggtcgct gcacacccga aagaccccaa ggcagtctgc 780
 cccttgcca gccacacgcc agcaccacc ctctggccc ctgctcggc ctccccagac 840
 cagctgcacc cagccccaa cagcacccc ttctccagat gtgtgcaggg cctcattttg 900
 cagagcaaag acagatgttt cagccacacg ctttattaac ttctaaaacc tgtgtcagg 960
 acactcttca acagtcatga aaagttagat cacttgccac agtcaggacc tttgtgtggg 1020
 gctctgatct gatgttcggt ctcatcatct cccaaaccag cagtctgttg taccaccaacc 1080
 ctctgctcag gggctcatat ccccaaata ttttctgat ttatgtattt cctacaaaag 1140
 ggctttctat acctagcatc tgctccagc atgagaaggg ggaatagggt agaccatttt 1200
 gccagtagca gacggggacc ctggggagaa aatggcagag cctgttggag actccctgtc 1260
 tccagctgac cagccaatgg gattcctctt ccctccactg tctccacaa agtagaagaa 1320
 tctggtaca tttagcccat gagcctggca cagatcccta tctagacatg agggccttta 1380
 gacatgactt tggcattgac cagcctgttg gcaatgggtc ggggaggcag aggggatgct 1440
 cacaccagta attctcatcc cctgaatgct tgggatcacc tggggagagt tcacaaaaaa 1500
 ctggtgcagg ggtccacct ctgatgatgc tgagtgtgtg gtctggggtg tggcccaggc 1560
 atcatgatgt ttccaggccc cagggtgactt cttaggcagc ccagctaagc cctagagacc 1620
 ttgcaatttc ccccaaata cctcagaggg ccgatttga gggaaatgcc taacttcagg 1680
 ggccgtaaga atcccccagg gagcatgtga aatgcagata ccaggcccac cccagagat 1740
 gagctgaggt gggtcagggg tgaagtgcag ggatcagtgt ttttcacaag ctccatacct 1800
 ccaggaaatg gtgttgtgtg tgggcccgtg gaaaacattc tgagagtctt gttgcctgtg 1860
 ccttggtgca cgtgggggtg aatcccagtg gccctgcctt gaggaggatg tgcattaacg 1920
 tggtagggga gacagagaca gctccacctg cccctgtcc caccggggac ctccaaaaac 1980
 ttcatggatg tttagagcaag cagccatgct gacagagag atgaggctgg cggatttagt 2040
 aagagccctc tgtgtttggg ctgagttctt tctctagtgt ccctgtcatc tggcctctgg 2100
 ataaccacc tctcctccct catcctaaaa ttacagatgg cgaaagacgg ccacatttag 2160
 tgagaccct aaggtcctcc aactagggtg ggtccacagt ggcccttgt gcatggacca 2220
 cacactctct tccctcctct ggctcaggac tacggtctga aattagggtg atatgaatgt 2280
 ctttcttgaa aacttctctt ccagctcttc ccactttgct tgggggtcct tggtaaggc 2340
 cagctttggg gactagggtt tgttgcgact accagctgtc tcattttgct gtactgcaa 2400
 ctccaggctt gttccaagct tatgggggcc ctgtccttcc cctagtaggg tttgttttgg 2460
 ggtcacatct ggtcataccc ttccagagagc tcttccccag cctctacatc agggagagag 2520
 gtaggtaggg aggagcattc aaggattaga agaaggacta aagtacaaca gccttgagg 2580
 aactgccagg aactaagggt gagcactgga gaaggcaacc tgggaccccc ctgcgcttct 2640
 gagcaggaag accaagacct tcaggggccc taagcactga aaacatcatt cctcatcccc 2700
 aagccctggc atccccctgt tcttctaaaa taattctttt ctagggtatt ctgattgcaa 2760
 aattctggat gggttcatcc aagctgacct ttgctgtttt tccccctccc aacaaggcct 2820
 cactttttgg agccacctta gctggtgctt aggcagaggg gcagtcagca gtggttatca 2880
 ggatctcggc tctatgggtt gccttccctc ttggtctgaa agccctgca ggcaggagct 2940
 tcttagatag ctgcttccct agggcatggc atgtagtggg tggttaatga atgtaagaga 3000
 gggaaatgag gatcaaggga gggaggagg agtgagtggt agatttctca tcctttcctg 3060
 ttaatttatg acatcctcct gcctatgagt ccttgactct ggagttttac aaagcagtca 3120
 catttcaaat aaaagtctgg gaaagcaac 3149

<210> 1668

<211> 408

<212> DNA

09920300.073101

<213> Homo sapiens

<400> 1668

```

aacagtaag ggactgcaat tttctattct ttttctaata tccttattta gcaaaattaa 60
aagttggcga tgatgtgttg ctttcccaga cttttatttg aaatgtgact gctttgtaaa 120
actccagagt caaggactca taggcaggag gatgtcataa attaacagga aaggatgaga 180
aatctccact ccactccctc ctccctccct tgatcactca ttccctctct tccattcatt 240
aaccacccac tacatgccat gccctaagga agcagctatc taagaagtcc ctgcctgcag 300
gggctttaca gaccaggagg aaggcaaccc atagagccag gatcctgata accactgctg 360
actgcccctc tgcctaggca ccagctaagg tggctccaaa aagtgagg 408

```

<210> 1669

<211> 576

<212> DNA

<213> Homo sapiens

<400> 1669

```

ccttctctcc tacctcccag gagtatgtaa ctccagatcct tagcataaag atccccagga 60
ataccactgc tctaaccggg tgaacatttt ttctaattgca gggttaggct tacgtctgaa 120
ttccacaaga catcctcccc ctccagtagc gaagttccaa ggcacttggt ttccagcata 180
tcagcctaac ctccagtgcct tgaaatatgg ctttaagcct ttgagaactg agatttcctg 240
aaacatagg cccttgcccc aggggtttct ccacatccgg gtgtaagac acctgatggc 300
actgttggtt tgtcccctat accccagaaa atctatcctg caaggtagct acttcaatct 360
tgtcattaaa atgtgtcaag tcacagctcg caatgccaaa ggaatgctgg ggcagtaagt 420
gaggtggata agtgagaagg gcctgggtgg gaaagcggcc agggaccaga atgctccaga 480
cctacagagc tgggtcaagg taagtgcctt aaacttacca atcctggact cagttctcct 540
ttgaaaggag aaagtctttg tcctctactt aggcag 576

```

<210> 1670

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1670

```

aaatttataa atgctggagg gggccatctg atttgaataa agttgaaaga acatgtttaa 60
gtcagtctta aggagtcacg tttagtatg taaattttga tctttctaata atgttggttt 120
gtatattcag ttttaactgt atgaatctga tttgcaaag agaatttgga aaagttaaat 180
tagttacaaa gaaatatgtt aatttaatta gacaatactc tgggaaggaa tttatcttct 240
ttcaacaaaa catgttttat agtattctga cttacggttg cttttgagtt ttactcattt 300
ggatatatta agatgcacac agtgaagcaa attaaactcc actttacgct ggaatgcttt 360
ctttagcatg aaaataccag gtccttggat ttgggatttt aatttcctat ggaaagttgc 420
ttaaattgtg gacactggaa ttaatctgaa tgtcactgag gaatttcaca tgaagtgtaa 480
tccctagtca ataagaatta tccattacat tattttatgg gaaaactagg ctaaattaca 540
tccattcagg taaaaggacc ttagcttact gaaggatcta aagagcaaag caaagatctc 600
actactcaaa cactcagcct gcttccctca agtccccttg caggccagct ttgtgctttg 660
cagaccaact ttttaatgag atactttgct tcctcattca acattgaagc taggcttcaa 720
ttaaaagggt cgaggaagct ccattt 746

```

<210> 1671

<211> 2442

<212> DNA

<213> Homo sapiens

<400> 1671

TTTCTCTCTCC

```

ggacgagcca gaactgtcgg acagcgggga cgaggccgcc tgggaggatg aggacgatgc 60
agatctcccc cacggcaagc agcagacccc ctgcctgttc tgtaacaggt tattcacatc 120
tgctgaagaa acattttcac actgtaagtc tgagcatcag tttaatattg acagcatggt 180
tcataaacat ggacttgaat tttatggata cattaagcta ataaatttta ttagacttaa 240
gaatcctaca gttgagtaca tgaattccat atacaaccca gtgccttggg agaaagaaga 300
gtatttgaag ccagtattag aagatgacct tttacttcaa tttgatgtag aagatcttta 360
tgaaccggtg tcagtacct tctcatatccc caatggactc agtgaaaata catctgttgt 420
tgaaaaattg aaacatatgg aagccagggc actgtctgct gaagccgcat tggccagagc 480
acgtgaggat ctgcaaaaaa tgaaacaatt tgctcaggat tttgtgatgc acacagatgt 540
cagaacctgc tcgtcatcta ctagtgtcat tgcggacctc caggaggatg aggatggtgt 600
ttatttcagc tcatacgggc attatgggat acatgaagaa atgctaaagg acaaaatacg 660
aacagaaagc taccgagatt tcataacca aaatccacat atcttcaaag acaaggtagt 720
tttgatggtt ggggtgtgaa ctggaattct ctctatgttt gctgctaaag ctggggcgaa 780
gaaggttctt ggagttgatc aatctgaaat actttaccag gcaatggata ttataagact 840
aaataaactt gaagatacta ttacactaat taaaggaaag attgaagaag ttcattcttc 900
tgtagaaaaa gtagatgtta tcatatctga gtggatgggc tattttcttc tgtttgagtc 960
tatgttagat tctgtccttt atgcaaagaa caaatacttg gcaaaaggag gctcgggtcta 1020
ccctgacatt tgcaactatca gccttgtagc agtgagtgat gtgaataaac atgctgatag 1080
aattgctttt tgggatgatg tctatggctt caagatgtcc tgcatgaaga aagcagttat 1140
tccagaagct gttgtggaag ttttagatcc gaagactctt atttcagaac cttgtggtat 1200
taagcatata gattgccata cgacgtctat ctgagatttg gaattttcat cagattttac 1260
cctgaaaatc acaaggacat ccattgtcac ggcaattgct ggctactttg atatatattt 1320
tgagaagaat tgccacaaca gggctcgtgt ctctacgggc cctcagagca ccaaaacaca 1380
ctggaacaaa acagtatttc tactggaaaa accattttca gttaaagcag gtgaagcctt 1440
gaaaggaaag gtcacagttc acaagaataa gaaagatcca cgttctctca ccgtgacctt 1500
cacgttgaat aattcaactc aaacttatgg tctccagtga aacagccata aaagcacact 1560
acctttagat ttttaattgt ggggtagagt gggtcagcag gagggagctg gttttatgtg 1620
agcagatgga tggatgatgg accctttcct aatgagcctc ctcaataaga gagaagttct 1680
cattgtggga atctgacata gttcagctga ggaagagaat cagctgatcc tcatggtctg 1740
ccacgtaatc attttcttag acgtttgctc caccagattt aaccaaatgt aactcccaca 1800
ttgagtttat ctatattgaa aatcatttac attggcctat atttgaaga gagatagtct 1860
tttgttttta ataagtttct tactataaat tttaaacaaa ttgggttagtt atttggatat 1920
tttattaaac tagtaacaca ggtactacac attttattat ggactcctct gaggaggagt 1980
gtttaattgt atttgctaga aaatcaggat gtaataaaga tttgtataaa aaaactaaaa 2040
tatggaaaag agcttcagcc ttcataataa aatcatatat gcagacagcc tagttgatta 2100
tctagcatat ttagggttct cattttgtag tttcttccct ctttgtgact attccttagc 2160
cttatagatt tctagtactg cccaggaaat ctaatttcaa tacattttatc ctagggtttca 2220
tgaaagtttt taaagattgg gataaatatg tacttattta ctaacgtatt atctttttca 2280
aaccagattt atgtgcaaag gttaaacaatg taactgttac taagcagtct ataaagttgt 2340
catttacaat tactgattca atttgaaatg tagaataaaa ttttaataaa atgtatcctt 2400
ataaaatatt ttaaaaatat taaaaaaaaa aaaaaaaaaa aa 2442

```

<210> 1672

<211> 1256

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 683, 917

<223> n = A,T,C or G

<400> 1672

ccagagcacg tgaggatctg caaaaaatga aacaatttgc tcaggatttt gtgatgcaca 60

cagatgtcag aacctgctcg tcatctacta gtgtcattgc ggacctccag gaggatgagg 120
 atggtgttta ttccagctca tacgggcatt atgggataca tgaagaaatg cttaaaggaca 180
 aaatacgaac agaaagctac cgagatttca tataccaaaa tccacatatc ttcaaagaca 240
 aggtagtttt ggatgttggg tgtggaactg gaattctctc tatgtttgct gctaaagctg 300
 gggcgaagaa ggttcttgga gttgatcaat ctgaaatact ttaccaggca atggatatta 360
 taagactaaa taaacttgaa gatactatta cactaattaa aggaaagatt gaagaagttc 420
 atcttcctgt agaaaaagta gatgttatca tatctgagtg gatgggctat ttcttctgt 480
 ttgagtctat gttagattct gtcctttatg caaagaacaa atacttggca aaaggaggct 540
 cggctctacc tgacatttgc actatcagcc ttgtagcagt gagtgatgtg aataacatgc 600
 tgatagaatt gctttttggg atgatgtcta tggcttcaag atgtcctgca tgaagaaagc 660
 agttattcca gaagctgttg tгнаagtттt agatccgaag actcttattt cagaaccttg 720
 tggatattaag catatagatt gccatacgac gtctatctca gatttggaat ttcatcaga 780
 ttttaccctg aaaatcacia ggacatccat gtgcacggca attgctggct actttgatat 840
 atattttgag aagaattgcc acaacagggт cgtgttctct acgggccctc agagcaccaa 900
 aatacactgg aaacaancag tatttctact ggaaaaacca ttttcagtta aagcagggtga 960
 agccttgaaa ggaaagggtca cagttcacaa gaataagaaa gatccacgtt ctctcaccgt 1020
 gaccctcacg ttgaataatt caactcaaac ttatgggtctc cagtgaacaa gccataaaag 1080
 cacactacct tgtagttttt aatgtggggg tagagtgggt cagcaggagg gagctggttt 1140
 tatgtgagca gatggatgga tgatggaccc tttcctaatt agcctcctca ataagagaga 1200
 agttctcatt gtgggaatct gacatagttc agctgctgga catgtcctaa aagcag 1256

<210> 1673
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<400> 1673
 gggacattca gtccggggcca tagaaaatgg agcagtgcag accattgccc aaagaagcaa 60
 ggaagagcag gagaagggtg aggcagacat gatccagcag agagaagagt gggaccgaaa 120
 gaagaagatg aagggttaaac gggagcgagg atggagtgga aactcatggg gaggcacag 180
 tcttgccccc cctgaccctg gtccctgttg agaaacatat gaggattttg ataccaggat 240
 acttgaggta agaaacgттt tcactatgac tgcgaaagag ggaagaaaga aatcgatccg 300
 tgtcttggtg gctgtgggga acggaaaagg agctgcaggт ttttctattg ggaaagctac 360
 tgatcggatg gatgcittca ggaaagcaaa gaacagagca gttcaccatt tgcattatat 420
 agaacgatat gaagaccata caatattcca tgatatтtca ttaagattta aaaggacgca 480
 tatcaagatg aagaaacaac ccaaaggтta cggcctccgc tgccacaggг ccatcatcac 540
 catctgccgg ctcatggca tcaaagacat gtatgccaaг gtctctgggt ccattaatat 600
 gctcagcctc acccaggggc tcttccgtgg gctctccaga caggaaaccc atcaacagct 660
 ggctgataag aagggcctcc atgttgtgga aatccgggag gaatgtggcc ctctgcccат 720
 tgtggttgcg tccccccggg ggcccttgag gaaggatcca gagccagaag atgaggттcc 780
 agacgtcaaa ctggactggg aagatgtgaa gactgcacag ggaatgaagc gctctgtgtg 840
 gtctaatttg aagagagccg ccacgтаacc tctctggcct tgtgcagcca gttcctgtgc 900
 tgccctgcac ctaggagaga ctacgcccct cacagcttgg gatgttacct tgccттttgt 960
 ttgtттtgag ggaagттtaa tctттaaact cттtggaat aaataattat agctттcaaa 1020
 aaaaaaaaaa aaaaa 1035

<210> 1674
 <211> 754
 <212> DNA
 <213> Homo sapiens

<400> 1674
 aaatcttaat gaaatatcat ggaatattgt atggtcttca tatcgттtca tataatgcaa 60
 atggtgaact gctctgttct ttgctттtct gaaagcatcc atccgatcag tagctттccc 120


```

aatagaaaaa cctgcagctc cttttccggt cccacagacc accaagacac ggatcgattt 180
ctttcttccc tctttcgagc tcatagtga aacgtttctt acctcaagta tctgggtatc 240
aaaatcctca tatgtttctc cacagggacc agggtcaggg gggccaagac tgatgcctcc 300
ccatgagttt ccactccatc ctgcctcccg tttaaccttc atcttcttct ttcgggtcca 360
ctcttctctc tgctggatca tgtctgcctc cacttctctc tgctcttctc tgcttctttg 420
ggcaatgggc tgcactgctc ctttttcat aagaggggaca ttcagtccgg gccatagaaa 480
accataacgc ccttcaccaa tgatctgacc cctgttcaga tcttttcttt tcttcttttt 540
agttcttttg cctcttcctt tttttgctcc agcaccagtc tctgctaaag cgcctttcca 600
cagctcatct gcagtcaatt tagtgaagaa actatatggc ctatactgct ggctcatcag 660
gtgactggga gaagaaatac agcattgtgt ctgcagtga cggctcaagc tggcgtaggg 720
atgggtgtct ctggttccca gtgatgacaa atgg 754

```

<210> 1675

<211> 350

<212> DNA

<213> Homo sapiens

<400> 1675

```

cacaaagcca gggccaggct ccccatccct acctccact gcacagcagc tgggtgttcc 60
tgcccttctc gagtctaggc agctctgctg ctgtgatctg cacacctcc aacctaggca 120
gggactgggg ggatgcagtg tgtgttagtg cccatgtggc attgtggcac tgttgcccc 180
catggcggca tgggcaagat gacctccat tagcttcaag tcttgttctc ttgtctgtgg 240
tctgtttaat atgtgggtca ctagggtatt tattctttct cccatcccta cactctggat 300
cattgtgcag acttaatcag ggttttaacg ctttcatttt tttttttttt 350

```

<210> 1676

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 200

<223> n = A,T,C or G

<400> 1676

```

tcagtgtaaa cactgaccat aactagaaag gaaacttagg tgcctatata attttccatt 60
ccccgcctaa tagtattcaa ctgagcctct tgagggtggga ataaaaacta aaaaaagatt 120
gatgttatag taaaactgaa cagtggcaca gcaagggtgcc tccctttaag gattttacct 180
tctgtgaag caaacttcan agttcccatc ttctcagcgt gatcacggaa taggcaaact 240
tcacaggaag gatgcctaag gatgcctttt cctctctaag agttctcagg aagttgggta 300
ggctgtgtat ggactcccaa ctgctttaac ctctatctc catgtcttat ttcccttccc 360
ctgcctgctc tatcctcgcc tctattttcc tcagcaaaca tactctgcag tcgggtccctt 420
gtccatggca caccaccaac ttttcagtag tgttaccatg cccacctctg gcttccctta 480
gtctggccat cttgtaagtg tcatactgca caaaaaaagt agg 523

```

<210> 1677

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1677

```

ctcaaaacct cactatttta tggagtgcct ttgtctctac ttgaattgag ttttttccct 60
gagaccagat gcagggaatc ccccatccca ggggtgtttt ctttccgata ttttccagc 120

```

aggaaccttt aaaagcttcc tccagtggaa tgccttaggg gtcctcccat ttctgagaca 180
 gaaacatggt tgatctccct tactctcctg caatttatgg ctgtttccag acatgagaaa 240
 tgactcacat ttcttttggg cagtcagcag cagatttatg catttccctt tttgttctca 300
 tcctcttatac ttgacttcca gataagtaga tgtcttttag ccaaaacttt gcttttgaga 360
 agaatgactt tggttttcct ctctcaggtg tgagcggggc ctggaccacg ccatcccca 420
 ctatg 425

<210> 1678
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<400> 1678
 tgccgcagcc cccgcccgcc cgcagagctt ttgaaaggcg gcgggaggcg gcgagcgcca 60
 tggccagtcg gggctgcctg ctgtgcgtgc tgggcctgct actctgcggg gcggcgagcc 120
 tcgagctgtc tagacccacac ggcgacaccg ccaagaagcc catcatcgga atattaatgc 180
 aaaaatgccg taataaagtc atgaaaaact atggaagata ctatattgct gcgtcctatg 240
 taaagtactt ggagtctgca ggtgcgagag ttgtaccagt aaggctggat cttacagaga 300
 aagactatga aatacttttc aaatctatta atggaatcct tttccctgga ggaagtgttg 360
 acctcagacg ctcagattat gctaaagtgg ccaaaatatt ttataacttg tccatacaga 420
 gttttgatga tggagactat tttcctgtgt ggggcacatg ccttggattt gaagagcttt 480
 cactgctgat tagtggagag tgcttattaa ctgccacaga tactgttgac gtggcaatgc 540
 cgctgaactt cactggagggt caattgcaca gcagaatgtt ccagaatatt cctactgagt 600
 tgttgctgtc attagcagta gaacctctga ctgccaatatt ccataagtgg agcctctccg 660
 tgaagaatatt tacaatgaat gaaaagttaa agaagttttt caatgtctta actacaaata 720
 cagatggcaa gattgagttt atttcaacaa tggaaggata taagtatcca gtatatggtg 780
 tccagtggca tccagagaaa gcaccttatg agtggagaaa tttggatggc atttcccatg 840
 cacctaattg tgtgaaaacc gcattttatt tagcagagtt ttttgttaat gaagctcgga 900
 aaaacaacca tcatttttaa tctgaatctg aagaggagaa agcattgatt tatcagttca 960
 gtccaattta tactggaaat atttcttcat ttcagcaatg ttacataatt gattgaaagt 1020
 cttcaatttg ttaacagagc aaatttgaat aattccatga ttaaactgtt agaataactt 1080
 gctactcatg gcaagattag gaagtcacag attcttttct ataagtgtcc tggctctgat 1140
 tcttcattct gtatgtgact atttatataa cattagataa ttaaatagtg agacataaat 1200
 agagtgtttt tcatggaaaa gccttcttat atctgaagat tgaaaaaat aaatttactg 1260
 aaatacaaat atttt 1275

<210> 1679
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 1679
 aaaatgatgg ttgtttttcc gagcttcatt aacaaaaaac tctgctaaat aaaatgcggt 60
 ttccacagca ttaggtgcat gggaaatgcc atccaaattc ttccactcat aagggtgcttt 120
 ctctggatgc cactggacac catatactgg atacttatat ccttccattg ttgaaataaa 180
 ctcaatcttg ccacttgtat ttgtagttaa gacattgaaa aacttcttta acttttcatt 240
 cattgtaaaa ttcttcacgg agaggctcca cttatggaaa ttggcagtcg gaggttctac 300
 tgctatgac agcaacaact cagtaggaaa attctggaac attctgctgt gcaattgacc 360
 tccagtgaag ttcagcggca ttgccacgtc aacagtatct gtggcaatta ataagcactc 420
 tccactaatc agcagtgaaa gctcttcaaa tccaaggcat gtgccccaca caggaaaata 480
 gtctccatca tcaaaactct gtatggacaa gttataaaat attttgg 527

<210> 1680
 <211> 2642

<212> DNA
<213> Homo sapiens

<400> 1680

```

ctgaacctgc agaaacagct gctcccttgg cagcttgggc ccttcagaac agcttgccca 60
gccccgctg ctgccttcca tggcctccag ccgcagccct caagttgagg aggggttcca 120
gcatcacact cctctgggtg aactttccct ggattttgtg gttggcaggc aacctgggca 180
aagaacagtc accaggcaag caggctggaa ggaagaaatt cttgaatgtg gatagacttc 240
ctcctccctt gccctcgagc tccaccccaa gccacttctc acatcacccc ttcttcccc 300
acagatgtca ccgggtgcgc atcaatgtac ctccacacag agggcttctc tgggccctct 360
ccaggtgacg gggccatggg taaggcagcc ccccttcccc tgccaagccc tccatgttgg 420
gggagggagc gctgccatgg gggaggggtct ccttgccag gagtccctct ggactctctg 480
gggtctcctc ggtgaacccc cagatctgag caaccccaa ttctctccac aaggctatgg 540
ctatgagaaa cctctgcgac cattcccaga tgatgtctgc gttgtccctg agaaatttga 600
aggtcagaga agtgactgtt gatgggaggg tcaaggtctt atcacgctgt gtccctgcag 660
gagtcacatc acgtttcatt gttgcaagag ggtgggaccc atagaaaagt acctggggag 720
accccttcca gaaatccctc ggggtggagg cgggtgcttg ggggaccaa agacacaaac 780
cccacacctc ctattttcgt gttccccagg agacatcaag caggaagggg tcggtgcatt 840
tcgagagggg ccgcctacc agcgcggggg tgccctgcag ctgtggcaat ttctgggtgc 900
cttgctggat gacccaacaa atgccattt cattgcctgg acgggccggg gaatggagtt 960
caagctcatt gagcctgagg aggtgggcct ctcgatgtt cccagccctc ctttccaaag 1020
tttacagcct ggaggtggga gaacctggga aatggtggca cgtgcctcca tcatgattct 1080
tgctttacct aacctgaatt cttgccaaag ctaagtctgt gggctgatgc tttgttgcag 1140
agctagcttg gcactttgca ccaagaatct caagtgtctt ttctgacctt acccccat 1200
tttctctgca caaggtagca tctctacccc aaaactgttt tgttcccagg tcgccaggct 1260
ctggggcacc cagaagaacc ggccagccat gaattacgac aagctgagcc gctcgctccg 1320
atactattat gagaaaggca tcatgcagaa ggtgggggct gtgggtctag ggacaagggt 1380
gtggggggca gtggctgtga gaagctgact ggggagaggg tcagcagggc agttctcagc 1440
aactttgtag gatcagataa tgaatcagtc agagagacaa gaaattgtgg agaattccaa 1500
ggttctctct ccccaaaaaa gtgcaacact gtaactgaga agcccaagca tggagaagtt 1560
gagatgaaaa aggagtaaga actgtgaagg gagagtcagc ttctcaggaa ccagcatggg 1620
agagaaatgc cccgagcatc tgccctgtact ggtagaaggg ccacattccc cactccccc 1680
ccttacccca taaaaaggct gggcggttag caggctgacc agaccttctc tctccccata 1740
gggtggctgg gagcgttacg tgtacaagtt tgtgtgtgag cccgaggccc tcttctcttt 1800
ggccttcccg gacaatcagc gtccagctct caaggctgag tttgaccggc ctgtcagtga 1860
ggaggacaca gtccctttgt cccacttggg tgagagcccc gcctacctcc cagagctggc 1920
tgcccccgcc cagccatttg gcccgaaggg tggctactct tactagcccc cagcggctgt 1980
tccccctgcc gcaggtgggt gctgccctgt gtacatataa atgaatctgg tgttggggaa 2040
accttcatct gaaaccaca gatgtctctg gggcagatcc cactgtcctt accagttgcc 2100
ctagcccaga ctctgagctg ctccaccggg tcatggggaa ggaaaagtgg agaaatggca 2160
agtctagagt ctcaaaaact cccctggggg ttccacctgg gccctggagg aattcagctc 2220
agcttcttcc taggtccaag cccccacac cttttcccca accacagaga acaagagttt 2280
gttctgttct gggggacaga gaaggcgctt cccaacttca tactggcagg agggtgagga 2340
ggttcaactga gctccccaga tctcccactg cggggagaca gaagcctgga ctctgcccc 2400
cagctgtggc cctggagggt cccggtttgt cagttcttgg tgctctgtgt tcccagaggc 2460
aggcggagggt tgaagaaagg aacctgggat gaggggtgct ggggtataagc agagagggat 2520
gggttccctg tccaagggac cctttgcctt tcttctgccc ttctctaggc ccaggcctgg 2580
gtttgtactt ccacctccac cacatctgcc agaccttaat aaaggccccc acttctccca 2640
tt

```

<210> 1681
<211> 444
<212> DNA
<213> Homo sapiens

09920300 073101

<400> 1681

```

cagctcagct tcttcctagg tccaagcccc ccacaccttt tccccaacca cagagaacaa 60
gagtttggtc tgttctgggg gacagagaag gcgcttccca acttcatact ggcaggaggg 120
tgaggagggt cactgagctc ccagatctc ccactgcggg gagacagaag cctggactct 180
gccccacgct gtggccctgg aggggtcccg tttgtcagtt ctgggtgctc tgtgttccca 240
gaggcaggcg gaggttgaag aaaggaacct gggatgaggg gtgctgggta taagcagaga 300
gggatgggtt cctgctccaa gggacccttt gcctttcttc tgccctttcc taggcccagg 360
cctgggtttg tacttccacc tccaccacat ctgccagacc ttaataaagg ccccccactt 420
tccccaaaaa aaaaaaaaaa ggcg 444

```

<210> 1682

<211> 1513

<212> DNA

<213> Homo sapiens

<400> 1682

```

attcacttct cacaaggact ggggtgaagag ttctgcagcc ttacagagac tggaaaagaa 60
gccccaaacca aggccccag agaggtcccc caggccccct tgggtccctg agcctcagct 120
ggaggtgggg ggtgcctgca gtgcgtggc tcagtctcct tctgaaaagc tggatccagc 180
ttgtttgaag cccttgagct gatcttagat ccggcgcagg agaccaacgc ctgccatgct 240
gttccggctc tcagagcact cctcaccaga ggaggaagcc tccccccacc agagagcctc 300
aggagagggg caccatctca agtcgaagag acccaacccc tgtgcctaca caccacctt 360
gctgaaagct gtgcagcgca ttgctgagtc tcacctgcag tctatcagca atttgaatga 420
gaaccaggcc tcagaggagg aggatgagct gggggagctt cgggagctgg gttatccaag 480
agaggaagat gaggaggaag aggaggatga tgaagaagag gaagaagaag aggacagcca 540
ggctgaagtc ctgaaggcca tcaggcagtc tgctgggcaa aagacaacct gtggccaggg 600
tctggaaggg ccctgggagc gcccaccccc tctggatgag tccgagagag atggaggctc 660
tgaggacca gtggaagacc cagcactaag tgagcctggg gaggaacctc agcgcccttc 720
cccctctgag cctggcacat aggcaccag cctgcatctc ccaggaggaa gtggagggga 780
catcgctgtt cccagaaac cactctatc ctaccctgt tttgtgctct tcccctcgcc 840
tgctagggct gcggcttctg acttctagaa gactaaggct ggtctgtgtt tgcttggtt 900
cccacttttg gctgataccc agagaacctg ggcacttgct gcctgatgcc caccctgcc 960
agtcatttct ccattcacc agcgggagggt gggatgtgag acagcccaca ttgaaaatc 1020
cagaaaaccg ggaacaggga tttgcccttc acaattctac tcccagatc ctctcccctg 1080
gacacaggag acccagagg caggacctta agatctgggg aaaggagggt ctgagaacct 1140
tgaggtagcc ttagatcctt ttctaccac ttctctatgg aggattccaa gtcaccactt 1200
ctctcaccgg ctctaccag ggtccaggac taaggcgttt ttctccatag cctcaacatt 1260
ttgggaatct tcccttaate acccttgctc ctctgggtg cctggaagat ggactggcag 1320
agacctcttt gttgcgtttt gtgctttgat gccaggaatg ccgcctagtt tatgtccccg 1380
gtggggcaca cagcgggggg cgccagggtt tccctgtccc ccagctgctc tgcccccttc 1440
cccttcttcc ctgactccag gcctgaaccc ctcccgtgct gtaataaatc tttgtaaata 1500
acaaaaaaaa aaa 1513

```

<210> 1683

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1683

```

ctgggggaca aggaaaacct ggcgcccccc gctgtgtgcc ccaccgggga cataaactag 60
gcggcattcc tggcatcaaa gcacaaaacg caacaaagag gtctctgcca gtccatcttc 120
caggcaccca ggaggagcaa ggggtgattaa gggaagattc ccaaaatgtt gaggctatgg 180
agaaaaacgc cttagtctct gaccctggta gaagccgggt agagaagtgg tgacttgga 240

```

tcctccatag	gaaagtgggt	agaaaaggat	ctaagggtac	ctcaagggtc	tcaggacctc	300
ctttccccag	atcttaggg	cctgccctgt	gggtctcctg	tgtccagggg	agaggatctg	360
gggagtagaa	ttgtgaagg	caaateccctg	ttcccggttt	tctggatttt	ccaatgtggg	420
ctgtctcaca	tcccacctcc	cgctgggtga	atggagggaat	gactggcagg	ggtgggcac	480
aggcagcaag	tgcccagggt	ctctgggtat	cagccaaagg	tgggcaaaca	agcaaacaca	540
gaccagcctt	agtcttctag	aagtcagaag	ccgcagccct	agcaggcgag	gggaagagca	600
caaaacaggg	tgaggataga	gtgggtttct	ggggaacagc	gatgtccctc	ccacttcctc	660
ctgggagatg	caggctgggt	gcctatgtgc	caggcttcaa			700

<210> 1684

<211> 2261

<212> DNA

<213> Homo sapiens

<400> 1684

gcggatggat	ccaacatggc	ggcgccgagc	ctgagccgag	agaagagacc	tyggaaatta	60
agtttcttgc	ggagtacggt	ggggattgca	gctgctgagc	agggattctg	gaaagcattg	120
cgtacctgag	ccccagcat	ggcgggccta	aagcggcggg	caagccagg	gtggccagaa	180
gagcatggtg	agcaggaaca	tgggctgtac	agcctgcacc	gcatgtttga	catcgtgggc	240
actcatctga	cacacagaga	tgtgcgcgtg	ctttctttcc	tctttgttga	tgtcattgat	300
gaccacgagc	gtggactcat	ccgaaatgga	cgtgacttct	tattggcact	ggagcgccag	360
ggcgcgtgtg	atgaaagtaa	ctttcgccag	gtgctgcagc	tgtgcgcgat	catcactcgc	420
cacgacctgc	tgccctacgt	cacctcaag	aggagacggg	ctgtgtgccc	tgatcttgta	480
gacaagtatc	tggaggagac	atcaattcgc	tatgtgaccc	ccagagccct	cagtgatcca	540
gaaccaaggc	ctccccagcc	ctctaaaaca	gtgcctcccc	actatcctgt	ggtgtgttgc	600
cccacttcgg	gtcctcggat	gtgtagcaag	cggccagccc	gaggagagac	cacacttggg	660
agccagcgaa	aacgcgggaa	gtcagtgaca	ccagatccca	aggagaagca	gacatgtgac	720
atcagactgc	gggttcgggc	tgaatactgc	cagcatgaga	ctgctctgca	gggcaatgtc	780
ttctctaaca	agcaggaccc	acttgagcgc	cagtttgagc	gctttaacca	ggccaacacc	840
atcctcaagt	cccgggacct	gggtcccatc	atctgtgaca	tcaagttctc	tgagctcacc	900
tacctogatg	cattctggcg	tgactacatc	aatggctctt	tattagaggc	acttaaagg	960
gtcttcatca	cagactccct	caagcaagct	gtgggccatg	aagccatcaa	gctgctggta	1020
aatgtagacg	aggaggacta	tgagctgggc	cgacagaaac	tcctgaggaa	cttgatgctg	1080
caagcattgc	cctgacctat	tccctcttct	cactttgggg	actgttccca	tcacccacct	1140
ctggagctta	cactgttctg	gggtttgttc	tctacccttc	caaccaatca	cacccctgcc	1200
tttttttttt	tttttttaaa	gaaaaagaca	aaagaaagtg	gaagtgggtat	tccccacccc	1260
tcctgcacc	catgtgcctg	ggcttcccct	ttatttccct	tttccattta	ccccgtaatg	1320
tgtctctaca	gctaccttac	cactgagccg	taagacaaat	gtataggaag	aagcaaagtc	1380
tacagcacat	agtctttgta	agggattgat	gtgaacactt	ttttttggat	gcactaagga	1440
gttatcaata	cttctggctt	tatgagagct	cttaaatttt	gtctaaaaaa	ccaaagggct	1500
gtgagtaagg	gagctatgtg	gaaagtggga	ctctgaagtg	tattttgaaa	attaatcgcc	1560
accctcttcc	aaattataga	attttttaaa	aacaagctgt	ggccctttcc	actctctcct	1620
ggcctctggg	gctgctcctc	tctgccgcct	ttcctccatt	ccatggcttg	aaacctctgc	1680
ctgatgtggc	tccttccctt	ttcccatttg	tcaaaccctc	ttcaaaggag	gaacagataa	1740
gactgggtca	gcctagtcac	gcctcccaac	tgtggtggta	tatgtgtaca	cacatacaca	1800
gggtggatgg	agaagagggt	gctgattaaa	atacactccc	cctataaagg	ggaaggggga	1860
gtgtgacact	ttctttccat	gttcaagtga	aaataaataa	tgtaccctgc	agcccttttc	1920
ccctttgctt	tcttctggct	tgggcaaagg	gcatacatag	tgtaaagtga	gtaattcctt	1980
tttccctccc	cctcctccac	tcctacgccc	actcccatgc	ttgggagaa	ggggctggga	2040
catgcaactga	gtgttgcaact	tttatttagg	tagggaggca	tgttgaaatga	gccaggagg	2100
ctagaactgg	agcttagtcc	agctggtaca	ataccaactc	cccttctagt	tcccaaaggc	2160
gatgtccaga	cacagacttt	atgattatta	tatttttcaa	tgccagtgtc	gctcagccct	2220
cagcagaact	tcagtttcca	tgaataaaac	aatgactata	t		2261

09920300 "073101

<210> 1685
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 1685

```

aaagaaaaag acaaaagaaa gtggaagtgg tattccccac ccctccctgc acccatgtgc 60
ctgggcttcc cctttatttc ccttttccat ttaccccgtg atgtgtctct acagctacct 120
taccactgag ccgtaagaca aatgtatagg aagaagcaaa gtctacagca catagtcttt 180
gtaagggtat gatgtgaaca cttttttttg gatgcactaa ggagttatca atacttctgg 240
ctttatgaga gctcttaaat tttgtctaaa aaaccaaagg gctgtgagta agggagctat 300
gtggaagtgt ggactctgaa gtgtattttg aaaattaatc gccaccctct tccaaattat 360
agaatttttt                                     370

```

<210> 1686
 <211> 2866
 <212> DNA
 <213> Homo sapiens

<400> 1686

```

tcacctggga aatacaaaaa tagccctctc tgaagataaa atcattcaga aacagagcaa 60
taattctgac tcattaactt ctacctactc aaaaaagtct gccatgatga tggaccgaag 120
tgaggctttt taaccacaaa gtaacctttt tatttttttg agacagtctt gctctgtctg 180
tcacccaggc tggagtacag tggcatgatc ttggctcact gcagcctcga ctccctgggc 240
tcaaatgatc ctcccacctc agcctcccat gtggctggaa ccacaggcac gtgccaccat 300
gcctggctat tttttgttg agctgggctc tcgctttgtt gccagggctg gtcttgaact 360
cctcggtca agcaatcctt cccactcagc ctccgttagt gtcgagaata taggcgtggg 420
ctactacacc tgcttcagcc gcttctataa aaccgctgac ctgtgtgtgg aggacaggcc 480
aggtgtgtgc tactgcgct gcgaagatgt tttgtcacgt gactttcccc ggatttccat 540
ttctttttt ctgcttccct caaaaactaa tagaagactg ggtgcggtgg ctcacgcctc 600
taatcgagc actttgggag gcagcagctg gcggtacaca aggccaggag ttcgagacca 660
gcctggccaa catgatgaaa ccctgtctct accaaaaata caaaaattag ctgggtgcga 720
tggtgggtgc ctgtaatccc agatactcag gaggtcaggg caggagaatt gtttgaacct 780
cggagatgga ggttgcatg agccaagatc gtgccattgc actccagcct gggcaacagg 840
gcaagattcc gtctcaaaaa caaacactat tagaaaatgc cctggagggtg gcggggaggt 900
gttgatttgt gaggacagat tgaaagcaac tcccagggtg gccttgtcca cctccccgtc 960
gagaatgtgg ctgccggcct ctttgaagat tgtgtctggt cataaggaga ggtgcaggcg 1020
cctggttctg agcaccttgg aatttccagc cgcacagcat ctggtgccct cccctccacc 1080
ctcacaagga gctgccatcc tgtttggatt ttctgtttgt ggaccagaaa caaacgtttt 1140
tccaaaggat tagcaaatag ggttaatttc tgtgtaacgc tgctctgggg cctcttcctc 1200
atcctggcag aaggagcctg gagcccatga ggcagccagc actgtgccct tgctcagtcg 1260
tgctgtcccc tccctctccc tcagtctcct ctccatgccc aagtcagttt ccagccgctg 1320
gtcttcatgg cattcccagc acagccgggc accaagaggc aaaacccaag gcctggcttg 1380
gccgtgttaa cgattgtaca gacattttt aaaataactt tgtgtaatac ttttctggaa 1440
tagtaagttc ttgttgaact gtcacagggt agcttctagg aacacaccag gtgtggttac 1500
ttccactggg tgtgtccatg gtcgtggtct gtgcttttgt aaacgaacag aacacttgaa 1560
ccacctcccg aattgggtca tcggcttctt tacgttgata cttaaagatg ttgcagctct 1620
ctttcaagga actttccct actgaaaggc ataaaaagg taaaaaagaa aatccgagag 1680
tcccaattcc ctgtataaca gcattaaaa atctgcctg cctggaaaga tgagaacact 1740
gttgcacaa ccaaaatgtg tctttaattt gtgaaaaatt accatgggtg gtcagacagt 1800
catttttaac agctgaacag agactatcat cagcaaatag agctcagctt tgtagctgcc 1860
tttaaaatcc ttgtcccaa tccgggtgagc tctgcttgcg gccgcccgcg tcctgggtga 1920
tactcagac gggtcagtgg gaataacagg ccaacaagac agctttttac atgtgtccaa 1980
aggatggcct ttcgaaggcc tgggaagtatt tctgtttgg aagaagtaaa caagaatgac 2040

```

attccagatg gaaatagaat tctctctctt gcctttgacc aacatggtac taaggggttt 2100
 cttctttccc aatgtatgta cgtgccctgc tgggggcctt actttataga atgagagcat 2160
 ccgagcttcc ctaatgaatc tggctagtcc tgtgtctggc tgaggataca ggagtgggac 2220
 atccactctc ggatccctca gagcacagaa accttcagct ttgctgtctc tgaagtattt 2280
 cctccagttt ccctgcgggc ccctatgttt gagtttgatg gctgctggat cctcactcaa 2340
 cgaaaactcg gttggaaact gttccgcctg gcagtccttt tttgtttgtt ttccatctca 2400
 tttcccttcc atctgaaagt ggcatcagc tgacttgctc atttagactg ttcacggagt 2460
 ctgaatctgc caacgtggtg ttggaggctc caccttgaaa agggccacag tcagggcaac 2520
 tttccccata caggaaaact tgaaaattac atcaacagtc tacgtcacag ccaaattata 2580
 tttcctttat accaaacaaa actatggaga actaaaagta catcacaca aacgtttata 2640
 gtgttttgca tgtgacctat ttcagtattt atataactag attagtgtt tctagcaaac 2700
 ggttctgtta attagcgagt cactgttgat tctgctgtgg tggttaagttg ataccgtgta 2760
 actaatcccg tggatgcctc ctggttattt ttgtccaaac gaagcagccg tggtagtagc 2820
 tgtctatgat tcttgctcag caaagtaaaa taaatgttaa atatgg 2866

<210> 1687

<211> 402

<212> DNA

<213> Homo sapiens

<400> 1687

aaaataactt tgtgtaatac ttttctggaa tagtaagttc ttgttgaact gtcacaggtg 60
 agcttctagg aacacaccag gtgtgggttac ttccactggg tgtgtccatg gtcgtggtct 120
 gtgcttttgt aaacgaacag aacacttgaa ccacctcccg aattgggtca tcggcttctt 180
 tacgttgata cttaagagat ttgcagctct ctttcaagga aacttcccct actgaaaggc 240
 ataaaaaggt taaaaaagaa aatccgagag tcccaattcc ctgtataaca gcattaaaaat 300
 aatctgcctg cctggaaaga tgaggacact gttgcacaac ccaaaatgtg tctttaattt 360
 gtgaaaaatt accatggtga gtcagacagt cattttaaac ag 402

<210> 1688

<211> 4932

<212> DNA

<213> Homo sapiens

<400> 1688

cagaaatgca acaagtagta cccggggtct gcagagcgcc ccgcgccgcc tgacttggcc 60
 gggcgaagcc cgcctgcaga gacccgggccc ggcctccgga caaaggacgg aggaggggct 120
 ggacggcgct gcgaagtccg aaagaggcca tttagcgact ctggccaggc taaggggaat 180
 gcagaggaga cacagagccg gcggggccaag aggacgatcc ggccgctgca cgcagggcgg 240
 gaggcgatgg aggtgccccg cgccttgccg ctccctgctcg tgggtgtgagg ctgcctcgcg 300
 ctcccgccgc tgccgagccc gtgtgccccg agcgtgcca ctgccagcat ccccgagcatc 360
 tcctgtgcac caacaggggg ctccgcgtag tgcccaagac cagctcgctg ccgagccccc 420
 acgacgtgct cacctacagc ctccggcgga acttcataac caacatcacg gccttcgact 480
 tccaccgtct ggggcagctc agacggctgg acctgcagta caaccagatc cgctctctgc 540
 accccaagac ctctcgagaag ctctcgcgcc tggaagagct gtacctgggg aacaacctct 600
 tgcaggcgct cgcgccgggc acgtggccc cgtgcgcaa gctgcgcate ctctacgcca 660
 acgggaacga gatcagccgc ctaagccgcg gctccttcga gggcctggag agtctagtca 720
 agctgcggct ggacgggaac gccctggggg cgctgccgga cgcggtcttc gctcccttgg 780
 gcaacctgct ctacctacat ctggagtcca accggatccg ctttctgggc aagaacgcct 840
 tcgcccagct aggcaagctg cgcttcctca acctctctgc caacgagcta cagccctccc 900
 tgcgccacgc ggccaccttc gaaccgctgc gctccctctc ctccctcatc ctctcgccca 960
 acaacctgca gaacctcggg ccgcgcctct tccagcacct gccacgtctc ggctgctct 1020
 cgctcagggg caaccagctc acgcacctcg cgcctgaggc cttttggggc ttggaggccc 1080
 tgcgcgagct gcgcctggag ggtaatcggc tgagccagct gccaaactgcg ctgctggagg 1140

ctctgcacag	cctggaggcg	ctggacctga	gcggcaatga	gctgtccgcc	ctgcacccgg	1200
ccaccttcgg	ccacctgggc	cggctgcgcg	agctcagcct	gcgcaacaac	gcgctcagcg	1260
ccctatccgg	ggacatcttc	gccgccagcc	cagcccttta	tcggctggat	ctagacggca	1320
acggctggac	ctgcgactgc	cggctgcgag	gcctgaagcg	ctggatgggc	gactggcact	1380
cgcaggggccg	gctcctcact	gtcttcgtgc	agtgtcgcca	ccccccggcc	ctgcgaggca	1440
aatacctgga	ttacctggat	gaccagcagc	tgcaaaatgg	atcctgcgcg	gatccctcgc	1500
cctcagcttc	cctgaccgct	gaccgcaggc	ggcagcccct	accacacggc	gcagggggagg	1560
agatgacgcc	acctgcaggt	ctcgcggagg	agctgccgcc	gcagccgcag	ctccagcagc	1620
aggggcgatt	tctagctggg	gtggcctggg	atggggccgc	cagggagctg	gtaggcaacc	1680
gcagcgccct	aaggetgagt	cggcgggggc	cgggcctcca	gcagcccagc	ccctccgtcg	1740
ctgccgccgc	gggcccggct	ccacagtccc	tagacctgca	caagaagccc	cagcggggcc	1800
gtccgactcg	ggcagatccc	gccctcgcgg	agcccacccc	aacggcctct	cctggctctg	1860
cgccatcgcc	cgccggcgac	ccctggcagc	gcgcgacgaa	gcacgtctg	ggcacggagc	1920
accaggagcg	tgccgcccag	tccgacgggt	gggcccggct	gccgccgctg	gtgtccgacc	1980
catgcgactt	caacaagttc	attctgtgca	acctgacggt	ggaggcggtg	ggcgcgagaca	2040
gcgcctcggt	gcgctggggc	gtgcgcgagc	accgcagtcc	ccggccgctg	ggcgggcgcg	2100
gcttccgcct	gctctttgac	cgctttggcc	agcagcccaa	gttccaccgc	ttcgtctacc	2160
tgctgagag	cagcgactcg	gccacgctgc	gcgagctgcg	cggggacacc	ccctacctgg	2220
tgtgcgtgga	gggcgtgctt	gggggcccgt	tctgccctgt	ggctccccgg	gacctgctg	2280
cggggctggt	caccctaccg	gaggccggga	gccggggcgg	cgctcgactac	cagctgctga	2340
ccttggccct	gctgacggtc	aacgcgctgc	tggtgctcct	ggccttggcg	gcctgggctg	2400
ctcgctggct	gcgtaggaaa	ctgcgggcta	ggcggaagg	cggggccccc	gtccacgttc	2460
ggcacatgta	ctccacccga	cggcccctgc	gctccatggg	caccggcgctg	tccgccgact	2520
tctcgggatt	ccagtcgcac	cggccacgca	ccaccgtgtg	cgcgctcagt	gaggcggacc	2580
tcatcgaaatt	cccctgcgac	cgcttcatgg	acagtgcggg	cggcggcgcg	ggcggcagcc	2640
tgagacggga	ggaccgtctc	ctgcagcgat	ttgccgacta	ggtccagggc	atatagagac	2700
catctcattg	gccctaagga	gccgcctctc	cgtgaggccc	accagcccac	ctcaggggaa	2760
gtgccgtttt	gtgcacttgc	cagagaggcc	ggtggggaca	gagggccaat	tcgggcacca	2820
tcccccaatt	cccaatactc	gagaagtaaa	tggtggtac	ttggtggtca	gagccagagt	2880
aggggacaaa	tggtggtgg	gatgctgagg	tcggaggctt	cgcttggagg	ctttgacaca	2940
gctatgcgaa	tggcttttgt	agcactgcaa	tgcagaagcc	aggctttggg	ggtagaaagg	3000
gggtgcttgt	gcccccaaca	tggccagaaa	tatttgggtg	catgcttttt	gtttgctcag	3060
tgtcaaacag	agaagttttg	tttctattta	aggaaggaa	ttattaccat	tacaaaggag	3120
gcttggccag	ggactccact	ggtttgggtg	tctctgccaa	gaagggggat	gtaaacaggt	3180
ggtaaaagttt	aacatacccg	ccaaggaa	cgtttatgtt	ggctgataga	gcattcagga	3240
taccttaaag	tttaataaga	gacgcatttt	tttttttcaa	aaatgtgaaa	agctctgaca	3300
tttaacgaac	tgaccaatag	actcaaggac	tgtttttagtt	ggactgggccc	attttattat	3360
gttcctttta	atattaacag	tacaagagcg	cttgctgact	tcgaggataa	ctaagattac	3420
atactttctc	aggagaaggc	tgcatgcaag	acttctctgt	cagggttgct	cctgtggctt	3480
ttttaatttt	atttttttaa	acctatatat	ggaaaaggaa	atttcaatgc	cagatttgat	3540
aaaagaatgt	gatgtatatg	tagctgatga	cccactgggg	aacaccagtg	ttccagttca	3600
cttaccacat	ctgtgacagt	gtgttttagat	tggaataaat	gtgatgcatt	acttcttatg	3660
tttttatcag	tgacatgggt	gactgtgccc	taattctctt	gagttgcagt	taagcaatga	3720
aggttatttc	ctaataggga	agcaaaaagg	gattgtcaat	tgatagttta	atgtttgacc	3780
acattagtgt	ctttatatga	aatagtagag	gggaagaaat	tatagaaaac	aaatgtgaaa	3840
aaaatacac	agtgggtatc	tgttctacta	aaaccagaag	attgttatga	gtacttaaac	3900
ctcactgtga	aataatgata	tattttgcaa	ttaatccctc	cccaactgag	tgtcttactg	3960
tgttattaaa	tcttatcttt	tagttaatag	ttgcagtat	tcttttaaat	gtttttgttt	4020
taaaacttagg	ggtaggatcc	tttattttgt	cagttgtttc	caactatttt	ggatactttc	4080
attccctgct	atttatgaag	tacatgttta	tcactaagtg	tagtggtttg	gtttacatta	4140
ataattttat	gtgtggtcta	aaaatgcagt	cactaagaga	atgtacactg	tggttatggg	4200
cacagtgggt	atggatttat	tggcagtgga	gtaccatgga	ggtcactgca	atggtgctaa	4260
ggctgacagt	ggaatcttct	gtttagggcc	ttaagcccct	gagggtcctg	gtgactcagg	4320
gaatccatca	cagccccggg	tctttcaccc	cagttcactc	cttttatgtt	tggcctagat	4380

tgacccatgc ctgccctctt ctcaacagct gagtagggaa ccagccatct gaatgagctg 4440
 atcgttgttt atgttcaaat gagtaaagt ccagaccact taaaactaca gctgcttttc 4500
 tggcagtctc gtctgcgggg ccaaaactta ataaaccaca ggaaatagac tgtcattctt 4560
 agtttgctgc cagggcttat tttagattga gagcactg gtacatgaga gcagtagtgt 4620
 tgtttgctct tattttcaac cagggagcta tctggcacct tttgtgctcc tggctttttt 4680
 caatcatagc actattgcat ctccatagcta tttcttttgc ccagcagggt aatattgagt 4740
 cccattgcaa gtatggacaa ggccctctgg tctcttcacc acccaccttt tcagccatag 4800
 aacatcactg aaaatgccta atgcctggat ctgtgttcta ctttagtttc actgggaagt 4860
 ctttcagtgg gagatgaata aatgttatac attgttatgt ccagttatgt caataaaccc 4920
 actaatagag at 4932

<210> 1689

<211> 1009

<212> DNA

<213> Homo sapiens

<400> 1689

aaaaattaat taaagagaaa gagaaaagca acattttaat gccccaggaa ttgaaactaa 60
 cgttttctgt ctggctgga cccctacgcc catcttttaa acctatata ggaaaaggaa 120
 atttcaatgc cagatttgat aaaagaatgt gatgtatat tagctgatga cccactgggg 180
 aacaccagtg ttccagttca cttaccacat ctgtgacagt gtgttttagat tggataaat 240
 gtgatgcatt acttcttatg tttttatcag tgacatgggt gactgtgccc taattctctt 300
 gagttgcagt taagcaatga aggttatttc ctaataggga agcaaaagggt gattgtcaat 360
 tgatagttta atgtttgacc acattagtgt ctttatatga aatagtagag gggaagaaat 420
 tatagaaaac aaatgtgaaa aaaatacacc agtgggtatc tgttctacta aaaccagaag 480
 attgttatga gtacttaaac ctcaactgtga aataatgata tattttgcaa ttaatccctc 540
 cccaactgag tgtcttactg tgttattaaa tcttatcttt tagttaatag ttgcagtatt 600
 tcttttaaat gtttttggtt taaacttagg ggtaggatcc tttatttggt cagttgtttc 660
 caactatttg ggatactttc attccctgct atttatgaag tacatgttta tcactaagt 720
 tagtggtttg gtttaccata ataattttat gtgtggtcta aaaatgcagt cactaagaga 780
 atgtacactg tggttatggt cacagtgggt atggatttat tggcagtggg gtaccatgga 840
 ggctactgca atgggtgctaa ggctgacagt ggaatcttct gtttagggcc ttaagccct 900
 gagggctctg gtgactcagg gaatccatca cagccccggg tctttcacc cagttcactc 960
 cttttatgtt tggcctagat tgacccatgc ctgccctctt caaaaacag 1009

<210> 1690

<211> 3073

<212> DNA

<213> Homo sapiens

<400> 1690

gtacgcgga gtgacatgc cgggtgtttgc ggggtggtgt tgctctcggg gccgtgtgga 60
 gtaggtctgg acctggaact acggctgctt ggagcgtccg ccatgaggag aagtgaggtg 120
 ctggcggagg agtccatagt atgtctgcag aaagccctaa atcaccttcg ggaaatatgg 180
 gagctaattg ggattccaga ggaccagcgg ttacaaagaa ctgaggtggt aaagaagcat 240
 atcaaggaaac tcttgatgat gatgattgct gaagaggaaa gcctgaagga aagactcatc 300
 aaaagcatat ccgtctgtca gaaagagctg aacactctgt gcagcaggtt acatgttgag 360
 ccatttcagg aagaaggaga gacaaccatc ttgcaactag aaaaagattt gcgcacccaa 420
 gtggaattga tgcgaaaaca gaaaaaggag agaaaacagg aactgaagct acttcaagag 480
 caagatcaag aactgtgcga aattctttgt atgccccact atgatattga cagtgcctca 540
 gtgcccagct tagaagagct gaaccagttc aggcacatg tgacaacttt gagggaaaca 600
 aaggcttcta ggcgtgagga gtttgtcagt ataaagagac agatcatact gtgtatggaa 660
 gaattagacc acaccccaga cacaagcttt gaaagagatg tgggtgtgtga agacgaagat 720
 gccttttgtt tgtctttgga gaatattgca acactacaaa agttgctacg gcagctggaa 780

09920300 073401

09920300.073104

```

atgcagaaat cacaaaatga agcagtgtgt gaggggctgc gtactcaaat ccgagagctc 840
tgggacaggt tgcaaatacc tgaagaagaa agagaagctg tggccaccat tatgtctggg 900
tcaaaggcca aggtccggaa agcgtctgcaa ttagaagtgg atcggttgga agaactgaaa 960
atgcaaaaca tgaagaaagt gattgaggca attcgagtgg agctgggtca gtactgggac 1020
cagtgtcttt atagccagga gcagagacaa gcttttgccc ctttctgtgc tgaggactac 1080
acagaaagtc tgctccagct ccacgatgct gagattgtgc ggtaaaaaa ctactatgaa 1140
gttcacaagg aactctttga aggtgtccag aagtgggaag aaacctggag gcttttctta 1200
gagtttgaga gaaaagcttc agatccaaat cgatttaca accgaggagg aaatcttcta 1260
aaagaagaaa aacaacgagc caagctccag aaaatgctgc ccaagctgga agaagagttg 1320
aaggcacgaa ttgaattgtg ggaacaggaa cattcaaagg catttatggg gaatgggcag 1380
aaattcatgg agtatgtggc agaacaatgg gagatgcac gattggagaa agagagagcc 1440
aagcaggaaa gacaactgaa gaacaaaaaa cagacagaga cagagatgct gtatggcagc 1500
gctcctcgaa cacctagcaa gcggcgagga ctggctccca atacaccggg caaagcacgt 1560
aagctgaaca ctaccaccat gtccaatgct acggccaata gtagcattcg gcctatcttt 1620
ggaggggacag tctaccactc ccccggtgtc cgacttcctc cttctggcag caagccagtc 1680
gctgtttcca cctgttcagg gaagaaaaca ccccgtagtg gcaggcatgg agccaacaag 1740
gagaacctgg agctcaacgg cagcatcctg agtgggtggg accctggctc ggccccctc 1800
cagcgcaact tcagcattaa ttctgttgcc agcacctatt ctgagtttgc gaaggatccg 1860
tccctctctg acagttccac tgttgggctt cagcgagaaac ttcaaaggc ttccaaatct 1920
gatgtacttt ctggaatcct caattcaacc aacatccagt cctgagaagc cctgatcagt 1980
caaccagctg tggcttcctg tgcctagact ggacctaat atatgggggt gactttagtt 2040
tttcttcagc ttaggcgtgc ttgaaacctt ggccagggtc catgaccatg ggcctaactt 2100
aaagatgtga atgagtgtta cagttgaaag cccatcatag gtttagtggt cctaggagac 2160
ttggttttga cttatataca tgaaaagttt atggcaagaa gtgcaaattt tagcatatgg 2220
ggcctgactt ctctaccaca taattctact tgctgaagca tgatcaaagc ttgttttatt 2280
tcaccactgt aggaaaatga ttgactatgc ccatccctgg gggtaatttt ggcatgtata 2340
cctgtaacta gtaattaaac tcttttttgt ttaggcatgt tcaattaatg ctgtagctat 2400
catagctttg ctcttacctg aagccttgtc cccaccacac aggacagcct tcctcctgaa 2460
gagaatgtct ttgtgtgtcc gaagttgaga tggcctgccc tactgcaaaa gaggtgacag 2520
gaaggctggg agcagctttg ttaaattgtg ttcagttctg ttacacagtg cattgccctt 2580
tggtgggggt atgcatgtat gaacacacat gcttgctcga acgctttctc ggcgtttgtc 2640
ccttggtctc catctcccc attcctgtgc ctactttgcc tgagttcttc taccctcgca 2700
gttgccagcc acattgggag tctgtttgtt ccagtggtgt gagctgtctt tgtcgtggag 2760
atctggaact ttgcacatgt cactactggg gaggtgttcc tgctctagct tccacgatga 2820
ggcgccctct ttacctatcc tctcaatcac tactcttctt gaagcactat tattttattct 2880
tccgtgtctt gctgcagca gtactactgt caacatagtg taaatgggtc tcaaaagctt 2940
accagtgtgg acttggtgtt agccacgctg ttactcata cagtacgtgt cctgttttta 3000
aaatatacaa ttattcttaa aaataaatta aaatctgtat acttacattt caaaaaaaa 3060
aaaaaaaaa aaa 3073

```

<210> 1691
 <211> 985
 <212> DNA
 <213> Homo sapiens

```

<400> 1691
ccaccattat gtctgggtca aaggccaagg tccggaaagc gctgcaatta gaagtggatc 60
ggttggaaga actgaaaatg caaaacatga agaaagtgat tgaggcaatt cgagtggagc 120
tggttcagta ctgggaccag tgcttttata gccaggagca gagacaagct tttgccccctt 180
tctgtgtgta ggactacaca gaaagtctgc tccagctcca cgatgctgag attgtgcggt 240
taaaaaacta ctatgaagtt cacaaggaac tctttgaagg tgtccagaag tgggaagaaa 300
cctggagggt tttcttagag tttagagaaa aagcttcaga tccaaatcga ttacaaacc 360
gaggaggaaa tcttctaaaa gaagaaaaac aacgagccaa gctccagaaa atgctgcccc 420
agctggaaga agagttgaag gcacgaattg aattgtggga acaggaacat tcaaaggcat 480

```

ttatggtgaa tgggcagaaa ttcattggagt atgtggcaga acaatgggag atgcatcgat 540
 tggagaaaga gagagccaag caggaaagac aactgaagaa caaaaaacag acagagacag 600
 agatgctgta tggcagcgct cctcgaacac ctagcaagcg gcgaggactg gctcccaata 660
 caccgggcaa agcacgtaag ctgaacacta ccaccatgtc caatgctacg gccaatagta 720
 gcattcggcc tatcttttga gggacagtct accactcccc cgtgtctcga ctccctcctt 780
 ctggcagcaa gccagtcgct gcttccacct gttcagggaa gaaaacaccc cgtactggca 840
 ggcatggagc caacaaggag aacctggagc tcaacggcag catcctgagt gcgagaactt 900
 tcaaaggctt ccaaatctga tgctacttct ggaatcctca attcaaccaa catccagtcc 960
 tgagaagccc tgatcagtca aacag 985

<210> 1692

<211> 424

<212> DNA

<213> Homo sapiens

<400> 1692

accaaattga gattaaattg aagaaaagca agcaaattaa tttcagcttg attatcaacc 60
 tgtatcaaga acaaaaatgg gaggaggtgt ccacatttat ggtgtgtata ggtaacatgg 120
 ggaaaatgct attctgtgtt ttggaaaaga agaaatagtg ccgtcctatt tatttctata 180
 tttagaaatt tttctcaaag aaatttcaat tgtatctatg agatgggttt ctaagtatct 240
 tattgtgtgt tataagtgcc ttttaatatc atactaagtg tgagcttctg gacattttca 300
 agagcttaca aaaactaagt ggcattgtat tttataacc ccattgagaa gactaagtaa 360
 gaaatgaaat gtccatcaaa ttttattttg tcatgcttca aacaataaag acatttctgc 420
 ttca 424

<210> 1693

<211> 2268

<212> DNA

<213> Homo sapiens

<400> 1693

tcgttttctc ccttccccct cactcgggcg tccctccttc ctccctccctc ctccctcctc 60
 ctcccgctcc tgaagagcgc gccgcgtggg ggacggcccc gttacttctt ccagagactg 120
 acgagtgcgg tgctcgctcca gctcagagct cccggagccg cccggccagc gtccggcctc 180
 cctgatcgtc tctggccggc gccctcgccc tcgcccggcg cgcaccgagc agccgcgggc 240
 gccgagcagc caccgtcccc accaagcgcc ggccctgccc gcagcggcag gatgaatgat 300
 ttcggaatca agaataatgga ccaggtagcc cctgtggcta acagttacag agggacactc 360
 aagcggcagc cagcctttga cacccttgat gggctccctgt ttgctgtttt tcccttctcta 420
 aatgaagagc aaacactgca agaagtgcc acaggcttgg attccatttc tcatgactcc 480
 gccaaactgtg aattgccttt gttaaccccc tgacagcaagg ctgtgatgag tcaagcctta 540
 aaagctacct tcagtggctt caaaaaggaa cagcggcgcc tgggcattcc aaagaacccc 600
 tggctgtgga gtgagcaaca ggtatgccag tggcttctct gggccaccaaa tgagttcagt 660
 ctggtgaacg tgaatctgca gagggttcggc atgaatggcc agatgctgtg taaccttggc 720
 aaggaacgct ttctggagct ggcacctgac ttgtgtgggtg acatttctctg ggaacatctg 780
 gagcaaatga tcaaagaaaa ccaagaaaaag acagaagatc aatatgaaga aaattcacac 840
 ctcaacctcg ttctcattg gattaacagc aatacattag gttttggcac agagcaggcg 900
 ccctatggaa tgcagacaca gaattacccc aaaggcggcc tccctggacag catgtgtccg 960
 gcctccacac ccagcgtact cagctctgag caggagtctc agatgttccc caagtctcgg 1020
 ctcaactccg tcagcgtcac ctactgctct gtcagtcagg acttcccagg cagcaacttg 1080
 aatttgctca ccaacaattt tgggactccc aaagaccacg actcccctga gaacgggtgcg 1140
 gacagcttct agagctcaga ctccctcctc cagtcctgga acagccagtc gtcccttgcg 1200
 gatgtgcaac ggggttccctt ctctcgagagc ttctgaagatg actgcagcca gtctctctgc 1260
 ctcaataaag caaccatgtc tttcaaggat tacatccaag agaggagtga cccagtggag 1320
 caaggcaaac cagttatacc tgcagctgtg ctggccggct tcacaggaag tggacctatt 1380

```

cagctgtggc agttttctcct ggagctgcta tcagacaaat cctgccagtc attcatcagc 1440
tggactggag acggatggga gtttaagctc gccgaccccc atgaggtggc ccgccggtgg 1500
ggaaagagga aaaataagcc caagatgaac tacgagaagc tgagccgggg cttacgctac 1560
tattacgaca agaacatcat ccacaagacg tcggggaagc gctacgtgta ccgcttcgtg 1620
tgcgacctcc agaacttgct ggggttcacg cccgaggaac tgcacgccat cctgggcgtc 1680
cagcccagca cggaggactg aggtcgccgg gaccaccctg agccggcccc aggctcgtgg 1740
actgagtggg aagcccatcc tgaccagctg ctccgaggac ccaggaaagg caggattgaa 1800
aatgtccagg aaagtggcca agaagcagtg gccttatttg atcccaaacc acgcctcttg 1860
accaggctgc ctcccttgtg gcagcaacgg cacagcta atctactcaca gtgcttttaa 1920
gtgaaaatgg tcgagaaaga ggcaccagga agccgtcctg gcgcctggca gtccgtggga 1980
cgggatgggt ctggctgttt gagattctca aaggagcgag catgtcgtgg acacacacag 2040
actattttta gattttcttt tgccttttgc aaccaggaac agcaaatagca aaaactcttt 2100
gagagggtag gaggtggga aggaaacaac catgtcattt cagaagttag ttgtatata 2160
ttattataat cttataattg ttctcagaat cccttaacag ttgtatttaa cagaaattgt 2220
atattgtaat ttaaaataat tatataactg tatttgaaat aagaattc 2268

```

```

<210> 1694
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 1694
ctgcaggat aactgggttg ccttgctcca ccgggtcact cctctcttgg atgtaatcct 60
tgaaagacat gggtggctta ttgaggcaga gagactggct gcagtcactc tcgaagctct 120
cgaaggaagg aaccggttgc acatccagca aggacgactg gctgttccag gactggagga 180
gggagtctga gctctcgaag ctgtccgcac cgttctcagg ggagtcgtgg tctttgggag 240
tcccagaatt gttggtgagc aaattcaagt tgctgcctgg gaagtcctga ctgacagagc 300
agtaggtgac gctgacggag ctgagccgag acttggggaa catctgaaac tcctgctcag 360
agctgagtac gctgggtgtg gagg 384

```

```

<210> 1695
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 556
<223> n = A,T,C or G

```

```

<400> 1695
cctgctgggc twggcracga gggactcggc ctccgaggcg acccagacca cacagacact 60
gggtcaagga gtaagcagag gataaacaac tggaaggaga gcaagcaca agtcatcatg 120
gcttcagcgt ctgctcstgg aaaccaagat aaagatgccc attttccacc accaagcaag 180
cagagcctgt tgttttgtcc aaaatcaaaa ctgcacatcc acagagcaga gatctcaaag 240
attatgcgag aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta 300
agcatgcttg tcacccaggg actagtctac caaggttatt tggcagctaa ttctagattt 360
ggatcattgc ccaaagtgc acttgctggt ctcttgggat ttggccttgg aaaggtatca 420
tacataggag tatgccagag taaattccat ttttttgaag atcagctccg tggggctggg 480
tttgggtccac agcataacag gcaactgcctc cttacctgtg aggaatgcaa aataaagcat 540
ggattaaagt gagaanggag actctcagcc ttccagcttcc t 581

```

```

<210> 1696
<211> 3100

```

09920300 073101

<212> DNA
<213> Homo sapiens

<400> 1696

```

ggtgggagcc gccgtgtgtg gagaagctgc tgccggtgtc atggcggagc tgagtgagga 60
ggcgtgtctg tcagtattac cgacgatccg ggtccctaag gctggagacc ggggccacaa 120
agacgagtgc gccttctcct tcgacacgcc ggagctctgag gggggcctct acatctgtat 180
gaacacgttt ctgggctttg ggaaacagta tgtggagaga cttttcaata agaccggcca 240
gcgagtctac ttgcacctcc ggcggacccg gcgcccgaag gaggaggacc ctgctacagg 300
cactggagac ccaccccgga agaagcccac gcggttggtc attggtgttg aaggcggatt 360
tgaccttagc gaggagaagt ttgaattaga cgaggatgtg aagattgtca ttttgccaga 420
ttacctggag attgcccggg atggactggg gggactgcct gacattgtca gagatcgggt 480
gaccagtgcg gtggaggccc tactgtcggc cgactcagcc tcccgaagc aggaggtgca 540
ggcatgggat ggggaagtac ggcaggtgtc taagcatgcc ttcagcctca agcagttgga 600
caacctgctc cgaatccctc cctgtggctg gaagtgtccc aagtgtgaca tgagagagaa 660
cctgtggctc aacctgactg atggctccat cctctgttgg cgacgctact tcgatggcag 720
tgggggcaac aaccacgctg tggagcacta ccgagagaca ggctaccgct tagctgtcaa 780
gctgggcacc atcacccctg atggagctga cgtgtactca tatgatgagg atgacatggt 840
cctggacccc agcctggctg agcacctgtc ccacttcggc atcgacatgc tgaagatgca 900
gaagacagac aagacgatga ctgagttgga gatagacatg aaccagcggg ttggtgaatg 960
ggagctgata caggagtcag gtgtgccact caagcccctg tttgggcctg gctacacagg 1020
catccggaac ctgggttaaca gctgctacct caactctgtg gtccaggtgc tcttcagcat 1080
ccctgacttc cagaggaagt atgtggataa gctggagaag atcttccaga atgccccgac 1140
ggaccctacc caggatttca gcacccaggt ggccaagctg ggccatggcc ttctctccgg 1200
ggagtattcc aagccagtac cggagtcggg cgatggggag cgggtgccag aacagaagga 1260
agttcaagat ggcattgccc ctcggtgtt caaggccctc atcggaagg gccaccctga 1320
atttccacc aaccggcagc aggatgccc ggagttcttc cttcacctta tcaacatggt 1380
ggagaggaat tgccggagct ctgaaaatcc taatgaagtg ttccgcttct tgggtggagga 1440
aaagatcaag tgcttgccca cagagaaggt gaagtacacc cagcagattg actacatcat 1500
gcagctgcct gtgcccattg atgcagccct taacaaagag gagcttctgg agtacagga 1560
gaagaagcgg caagccgaag aggagaagat ggcactgcca gaactggttc gggcccagg 1620
gcccttcagc tcttgccctg aggcctacgg ggcccctgag caggtcgatg acttctggag 1680
cacggccctg caggccaagt cagtagctgt caagaccaca cgatttgcct cattccctga 1740
ctacctgttc atccagatca agaagttcac cttcggttca gactgggtgc ccaagaaact 1800
ggatgtgtcc atcgagatgc cagaggagct cgacatctcc cagttgaggg gcacagggct 1860
gcagcccggg gaggaggagc tgccagacat tgccccacc ctggtcactc cggatgagcc 1920
caaagcggcc atgttgatg aatcagtcac catccagctg gtggagatgg gattccctat 1980
ggacgcctgc cgcaaagctg tctactacac gggcaacagc ggggctgagg ccgcatgaa 2040
ctgggtcatg tcacacatgg atgatccaga ttttgcaaac cccctcatcc tgccctggctc 2100
tagtgggccc ggctccacaa gcgcagcagc cgacccccct cctgaggact gtgtgaccac 2160
cattgtctcc atgggcttct cccgggacca ggccctgaaa gcgctgcggg ccacgaacaa 2220
tagtttagaa cgggtgtgtg actggatctt cagtcacatt gacgacctgg atgtgaagc 2280
tgccatggac atctcagagg gccgctcagc tgccgactcc atctctgagt ctgtgccagt 2340
gggacctaaa gtccgggatg gtcctggaaa gtatcagctc tttgccttca ttagtcacat 2400
gggcacctct accatgtgtg gtcactacgt ctgccacatc aagaaagaag gcagatgggt 2460
gatctacaat gaccagaaag tgtgtgcctc cgagaagccg cccaaggacc tgggctacat 2520
ctacttctac cagagatgg ccagctaaga gctgcctca ccccttacca atgagggcag 2580
gggaagacca cctggcatga gggagagggg ctgagggatg gacttcagcc cctctgctct 2640
gtacctttt tctttttgtc cccggcagca gggaagaagc tggaggccgt gggagaatgg 2700
ctgggcagag cagaggggca gcgatagact ctggggatgg agcaggacgg ggacgggagg 2760
ggccggccac ctgtctgtaa ggagactttg ttgcttcccc tgcccccgga atccacagt 2820
ctctgcttct ctgtgtcgcc ccgcccagcc cctgggtgtg gagggagggg tctcgtttgt 2880
gcgctgtggg ttagctttgt gcacctctc ccagtgagc gatcacctgt gcctccctc 2940
cccccttgtt tgcccctgtg tggtttgtca aggagggatg tgagggaaat agggaccccc 3000

```

09520300.073101

cgacttgccc tcttgccctca gtctttcccc caccctgtct cttccttgtc cttctctgga 3060
 aaatgccaaa atacacgatg tgaataaaaag tacaacggct 3100

<210> 1697
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 1697
 ctgggagatg tcgagctcct ctggcatctc gatggacaca tccagtttct tgggcaccca 60
 gtctaagccg aaggtgaact tcttgatctg gatgaccagg tagtcaggga atgaggcaaa 120
 tcgtgtgggc ttgacagcta ctgacttggc ctgcaggggc gtgctccaga agtcatcgac 180
 ctgctcaggg gccccgtagg 200

<210> 1698
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 1698
 cctgacattc ctgccttctt atattaataa gamaaataaa acaaaatagt gttgaagtgt 60
 tggggcrgcg aaaatttttg gggggtggta tggagagaka atgggcgatg tttctcaggg 120
 ctgcttcaag cgggattagg ggcggcgtgg gaacctagag tgggagagat taagctgaag 180
 ggaggtcttg tggtaagggg tgatatttrtg gggatgttag aagaaacatt tgctgtatag 240
 aatgattggg gatggcctgg atacggtttt gkatgaattg agaarctaaa tggataaagc 300
 agaaggagar aaacaggtat aaaagggtcta agaattggga ggacctagga yatctgatta 360
 gagagtgcct aaggagattc rgcatagtcc tgccagcaaa gattatttat ttacttcaag 420
 agttwagagt ggcagtttgg ggatagcacc aggagatatc ag 462

<210> 1699
 <211> 1752
 <212> DNA
 <213> Homo sapiens

<400> 1699
 ccgctccttc taggatctcc gcttggttcg gcccgctgc ctccactcct gcctctacca 60
 tgtccatcag ggtgacccag aagtcctaca aggtgtccac ctctggcccc cgggccttca 120
 gcagccgctc ctacacgagt gggcccgggt cccgcatcag ctctcgagc ttctcccgag 180
 tgggcagcag caactttcgc ggtggcctgg gcggcggcta tgggtggggc agcggcatgg 240
 gaggcacac cgcagttacg gtcaaccaga gctgctgag ccccttgtc ctggaggtgg 300
 accccaacat ccaggccgtg cgcacccagg agaaggagca gatcaagacc ctcaacaaca 360
 agtttgctc cttcatagac aaggtaacgg tcttgagca gcagaacaag atgctggaga 420
 ccaagtggag cctcctgcag cagcagaaga cggctcgaag caacatggac aacatgttcg 480
 agagctacat caacaacctt aggcggcagc tggagactct gggccaggag aagctgaagc 540
 tggaggcgga gcttggcaac atgcaggggc tgggtggagga cttcaagaac aagtatgagg 600
 atgagatcaa taagcgtaca gagatggaga acgaatttgt cctcatcaag aaggatgtgg 660
 tcaacttcct caggcagcta tatgaagagg agatccggga gctgcagtc cagatctcgg 720
 acacatctgt ggtgctgtcc atggacaaca gccgctccct ggacatggac agcatcattg 780
 ctgaggtcaa ggcacagtac gaggatattg ccaaccgcag ccgggctgag gctgagagca 840
 tgtaccagat caagtatgag gagctgcaga gcctggctgg gaagcacggg gatgacctgc 900
 ggcgcacaaa gactgagatc tctgagatga accggaacat cagccggctc caggctgaga 960
 ttgagggcct caaaggccag agggcttccc tggaggccgc cattgcagat gccgagcagc 1020
 gtggagagct ggccattaag gatgccaacg ccaagttgtc cgagctggag gccgcctgc 1140

09920300-073401

agcggggccaa gcaggacatg gcgcgggcagc tgcgtgagta ccaggagctg atgaacgtca 1200
agctggccct ggacatcgag atcgccacct acaggaagct gctggagggc gaggagagcc 1260
ggctggagtc tgggatgcag aacatgagta ttcatacgaa gaccaccagc ggctatgcag 1320
gtggtctgag ctcggcctat gggggcctca caagccccgg cctcagctac agcctgggct 1380
ccagcttttg ctctggcgcg ggctccagct ccttcagccg caccagctcc tccagggccg 1440
tggttgtgaa gaagatcgag acacgtgatg ggaagctggt gtctgagtcc tctgacgtcc 1500
tgcccaagtg aacagctgcg gcagcccctc ccagcctacc cctcctgcg cgtgcccagag 1560
cctgggaagg aggcgctat gcagggtagc actgggaaca ggagaccac ctgaggctca 1620
gccctagccc tcagcccacc tggggagttt actacctggg gacccccctt gcccatgcct 1680
ccagctacaa aacaattcaa ttgctttttt tttttggtcc aaaataaaac ctcagctagc 1740
tctgccaatg tc 1752

<210> 1700

<211> 228

<212> DNA

<213> Homo sapiens

<400> 1700

ctgcctgagg aagttgatct cgtcgggtcag ccttccagc cgagactcca gctctacctt 60
gttcatgtaa gttcatcca cctcttctt gatgaggaca aattcgttct ccatctctgt 120
acgcttattg atctcatcct catacttggt cttgaagtc tccaccagcc cctgcatggt 180
gccaagctcc gcctccagct tcagcttctc ctggcccaga gtctccag 228

<210> 1701

<211> 515

<212> DNA

<213> Homo sapiens

<400> 1701

ggcacgagga gctggcctcc ggggcaccga ccgctataag gccagtcgga ctgcgacaca 60
gcccatcccc tcgaccgctc gcgtcgatt tggcgcctc cctaccgctc caagcccagc 120
cctcagccat ggcatgcccc ctggatcagg ccattggcct cctcgtggcc atcttccaca 180
agtactccgg caggagggtt gacaagcaca ccctgagcaa gaaggagctg aaggagctga 240
tccagaagga gctcaccatt ggctcgaagc tgcaggatgc tgaaattgca aggctgatgg 300
aagacttggc ccggaacaag gaccaggagg tgaacttcca ggagtatgtc accttcttgg 360
gggccttggc tttgatctac aatgaagccc tcaagggtctg aaaataaata gggaagatgg 420
agacaccctc tgggggtcct ctctgagtca aatccagtgg tgggtaattg tacaataaat 480
tttttttggg caaattttaa aaaaaaaaaa aaaaa 515

<210> 1702

<211> 329

<212> DNA

<213> Homo sapiens

<400> 1702

ccatcttcca caagtactcc ggcaggagg gtgacaagca caccctgagc aagaaggagc 60
tgaaggagct gatccagaag gagctacca ttggctcgaa gctgcaggat gctgaaattg 120
caaggctgat ggaagacttg gaccggaaca aggaccagga ggtgaacttc caggagtatg 180
tcaccttctt gggggccttg gctttgatct acaatgaagc cctcaagggc tgaaaataaa 240
tagggaagat ggagacaccc tctgggggtc ctctctgagt caaatccagt ggtgggtaat 300
tgtacaataa attttttttg gtcaaat 329

<210> 1703

<211> 1022

09920300 073104

<212> DNA
<213> Homo sapiens

<400> 1703

```
cacccccacc  tgccagagct  gatcctccct  aggcctgcc  taaccttgag  ttggcccca  60
atccctctgg  ctgcagaagt  ccccttacc  ccaatgagag  gaggggcagg  accagatctt  120
ttgagagctg  aggggttgag  gcattgagcc  aacacacaga  ttgtcgccct  ctgtccccga  180
agacacctgc  accctccatg  cggagccaag  atggggaatg  gaactgagga  agattataac  240
tttgtcttca  aggtggtgct  gatcggcgaa  tcaggtgtgg  ggaagaccaa  tctactctcc  300
cgattcacgc  gcaatgagtt  cagccacgac  agccgcacca  ccatcggggt  tgagttctcc  360
accgcactg  tgatgttggg  caccgtgct  gtcaaggctc  agatctggga  cacagctggc  420
ctggagcgg  accgagccat  caccctggcg  tactatcgtg  gtgcagtggg  ggccctcctg  480
gtgtttgacc  taaccaagca  ccagacctat  gctgtggtgg  agcgatggct  gaaggagctc  540
tatgacctg  ctgaagccac  gatcgtcgtg  atgctcgtgg  gtaacaaaag  tgacctcagc  600
caggcccg  aagtgccac  tgaggaggcc  cgaatgttcg  ctgaaaacaa  tggactgctc  660
ttcctggaga  cctcagccct  ggactctacc  aatgttgagc  tagcctttga  gactgtccty  720
aaagaaatct  ttgcgaagg  gtccaagcag  agacagaaca  gcatccggac  caatgccatc  780
actctgggca  gtgcccagg  tggacaggag  cctggccctg  gggagaagag  ggccgtgttc  840
atcagcctct  gaccttggc  agcaccacct  gccccactg  gcttttttgt  gcccttgtc  900
cccacttcag  cccagggacc  tttccttgcc  ctttggttcc  agatatcaga  ctgttccctg  960
ttcacagcac  cctcagggtc  ttaaggctct  catgccctat  cacaataacc  tcttttatct  1020
gt  1022
```

<210> 1704
<211> 439
<212> DNA
<213> Homo sapiens

<400> 1704

```
ctgaggaaga  ttataacttt  gtcttcaagg  gtactatcgt  ggtgcagtgg  gggccctcct  60
ggtgtttgac  ctaaccaagc  accagacct  tgctgtggtg  gagcgatggc  tgaaggagct  120
ctatgacct  gctgaagcca  cgatcgtcgt  catgctcgtg  ggtaacaaaa  gtgacctcag  180
ccaggcccg  gaagtgcaca  ctgaggaggc  ccgaatgttc  gctgaaaaca  atggactgct  240
cttcccggag  acctcagccc  tggactctac  caatgttgag  ctagcctttg  agactgtcct  300
gaaagaaatc  ttgccaagg  tgtccaagca  gagacagaac  agcatccgga  ccaatgccat  360
cactctgggc  agtgcccagg  ctggacagga  gcctggccct  ggggagaaga  gggcctgttg  420
catcagcctm  tgaccttgg  439
```

<210> 1705
<211> 319
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 224, 258, 294, 296, 304

<223> n = A,T,C or G

<400> 1705

```
tcaaaacctc  actatatta  ggagtgcctt  tgtctctact  tgaattgcgt  ttttcccttg  60
agaccagtg  aagggaatcc  cccatcccag  ggtgtttttc  tttccgatct  tttcccagca  120
ggaaccttta  aaagcttcct  ccagtggaa  gccttagggg  tcctccatt  tctgagacag  180
aaacatggtt  gatctccctt  actctcctgc  aatttatggc  ttgntccaca  catgagaaat  240
gactcacatt  tcctttgngc  agtcagcaac  agatttatgc  atttccctt  ttgntntcat  300
```


cctnttatct tgacttcca

319

<210> 1706

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 207, 224, 229

<223> n = A,T,C or G

<400> 1706

```
tcaaaacctc actatattaat ggagtgcctt tgtctctact tgaattgcgt tttttccttg 60
agaccacagtg caggggaatcc cccatcccag ggtgtttttc tttccgatct tttcccagca 120
ggaaccttta aaagcttcct ccagtggaaat gccttagggg tcctccatt tctgagacag 180
aaacatgggt gatctccctt actctcntgc aatttatggc ttgntccana catgagaaat 240
gactcacatt tcctttgggc agtcagcagc agatttatgc atttcccttt ttgttctcat 300
cctcttatct tgacttcc 318
```

<210> 1707

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 160, 210, 231, 240, 241, 252, 285

<223> n = A,T,C or G

<400> 1707

```
atggtgacat agtgggggat ggcgtggtcc aggccccgct cacacctgag agaggaaaac 60
caaagtcatt cttctcaaaa gcaaagtttt ggctaaaaga catctactta tctggaagtc 120
aagataagag gatgagaaca aaaagggaaa tgcataaatn tgctgctgac tgcccaaagg 180
aaatgtgagt catttctcat gtctggaacn agccatgaat tgcaggaaaa naagggaan 240
naaccatgtt tntgtctcag aaatgggagg acccctaagg cattncactg gaggaagctt 300
ttaaagg 307
```

<210> 1708

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 210, 216, 441, 481

<223> n = A,T,C or G

<400> 1708

```
atcttgtaag gcaaatgatt agcacacggc aggctcttcg tccgtttgca agttgctgtt 60
tgtttccagc tacaccagtc agagctccac agagaggggtg cgttctctgg tctcaggtgg 120
gcaggtgcta tgggtgcgggg cgctggaaag aatgggggtt aattggccct cgcctccgct 180
tgtttgagac tctcgttaga aagggtttan gaaaancaa ggaatggcag ccaccccatc 240
accatcgaga acaggcgagc gtttcccagc taggggcca agccactgga aaccgtgttc 300
```

099203300 "0.3164

cctgtgcagt ccgactgaca ctaccccatg cctgggggga atgagtataa aaagggaaat 360
 gtttttgaag acaggcacga tatatactac tagagaatgc gcagtttcaa accacagttg 420
 caggaggata taggaataac nacagggtgcc ggggactacg tacatcttgg atagtcgacg 480
 ncgg 484

<210> 1709
 <211> 1168
 <212> DNA
 <213> Homo sapiens

<400> 1709
 ggccgggaga gtagcagtgc cttggacccc aggtgagctg gcctctcagg ctccatcttg 60
 cctgagcacc ctgccccagc gaggcctccg gaaagagcct gtcaccccat ctgcacttgt 120
 cctcatgagc cgctccaatg tccagcccac agctgcccct ggccagaagg tgatggagaa 180
 tagcagtggg acacccgaca tcttaacgcg gcacttcaca attgatgact ttgagattgg 240
 gcgtcctctg ggcaaaggca agtttggaaa cgtgtacttg gctcgggaga agaaaagcca 300
 tttcatcgctg gcgctcaagg tcctcttcaa gtcccagata gagaaggagg gcgtggagca 360
 tcagctgcgc agagagatcg aaatccaggc ccacctgcac catcccaaca tcctgcgtct 420
 ctacaactat ttttatgacc ggaggaggat ctacttgatt ctagagtatg cccccgcgg 480
 ggagctctac aaggagctgc agaagagctg cacatttgac gagcagcgaa cagccacgat 540
 catggaggag ttggcagatg ctctaattga ctgccatggg aagaagggtga ttcacagaga 600
 cataaagcca gaaaatctgc tcttagggct caagggagag ctgaagattg ctgacttcgg 660
 ctggtctgtg catgcgccct ccctgaggag gaagacaatg tgtggcaccg tggactacct 720
 gccccagag atgattgagg ggcgcatgca caatgagaag gtggatctgt ggtgcattgg 780
 agtgctttgc tatgagctgc tgggtggggaa cccacccttt gagagtgcac cacacaacga 840
 gacctatcgc cgcacgtca aggtggacct aaagttcccc gcttccgtgc ccatgggagc 900
 ccaggacctc atctccaaac tgctcaggca taaccctcgc gaacggctgc ccctggccca 960
 ggtctcagcc cacccttggg tccgggccaa ctctcggagg gtgctgcctc cctctgccct 1020
 tcaatctgtc gcctgatggt ccctgtcatt cactcgggtg cgtgtgtttg tatgtctgtg 1080
 tatgtatagg ggaaagaagg gatccctaac tgttccctta tctgtaatct acctcctcct 1140
 ttgtttaata aaggctgaag ctttttgg 1168

<210> 1710
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 286, 304, 310, 317
 <223> n = A,T,C or G

<400> 1710
 tgccatggga agaaggatgat tcacagagac ataaagccag aaaatctgct cttagggctc 60
 aagggagagc tgaagattgc tgacttcggc tgggtctgtg atgcgccctc cctgaggagg 120
 aagacaatgt gtggcacctt ggactacctg cccccagaga tgattgaggg gcgcatgcac 180
 agtgagaagg tggatctgtg gtgcattgga gtgctttgct atgagctgct ggtggggaac 240
 ccacccttgg agagtgcac acacaacgag acctatcgcc gcatcntcaa ggtggaccta 300
 aagntcccn cttccngcc catgggagcc caggacctca tctccaaact gctcaggcat 360
 aacccttggg aacggctgcc cctggcccag gtctcagccc acccttgggt ccggggccaa 420
 tctc 424

<210> 1711
 <211> 2302

<212> DNA
<213> Homo sapiens

<400> 1711

```
gtgactgtgg agtttgaatt ggggtggcggg tgactgtaga gccgctctct ctactggca 60
cagcgagggt ttgctcagcc cttgtctcgg gaccgcagcc tccgccgagc gccatggctc 120
ctaggaaggg cagtagtcgg gtggccaaga ccaactcctt acggaggcgg aagctcgcct 180
cctttctgaa agacttcgac cgtgaagtgg aaatacgaat caagcaaatt gagtcagaca 240
ggcagaacct cctcaaggag gtggataacc tctacaacat cgagatcctg cggctcccca 300
aggtcttgcg cgagatgaac tggcttgact acttcgccct tggaggaaac aaacaggccc 360
tgaagaggc ggcaacagct gacctggata taccgaaat aaacaaacta acagcagaag 420
ctattcagac acccctgaaa tctgccaaaa caggaagggt aatacaggta gatgaaatga 480
tagtggaaga ggaagaagaa gaagaaaatg aacgtaagaa tcttcaaact gcaagagtca 540
aaaggtgtcc tccatccaag aagagaactc agtccataca aggaaaagga aaagggaaaa 600
ggtcaagccg tgctaacact gttaccccag ccgtgggccc attggagggtg tccatggcca 660
aaccaactcc aggcctgaca cccagggttg actcaagggt cttcaagacc cctggcctgc 720
gtactccagc agcaggagag cggatttaca acatctcagg gaatggcagc cctcttgctg 780
acagcaaaga gatcttcctc actgtgccag tgggcggcgg agagagcctg cgattattgg 840
ccagtgactt gcagaggcac agtattgccc agctggatcc agaggccttg ggaaacatta 900
agaagctctc caaccgtctc gcccaaactc gcagcagcat acggaccac aaatgagaca 960
ccaaagttga caggatggac ttttaattgg cacttctggg accctgaaga gacttcttcc 1020
cttcaggctt attgtttgag tgtgaagttc cagagcaagg agccatgttc ctctaaggga 1080
attcaggaat tcagacgtgc tagtcccaca ccagttagggt agagctgtct gttcacctc 1140
ccatcccagc tgatcccagt cactgcttgc tggggccatg ccatggaagc tccccatcag 1200
tctcccagct gaatcctccc tgctctctga gctgctgcct tttgcctcct gcaactcaac 1260
atcctcttca ccctgccctg cctgcagttg agggggcgaa gaagaaccct gtgttctcag 1320
gaagactgcc tccaccaccg ctaccagag aacctctgca tctggcattt ctgctctcta 1380
tgcttgagac cgggagggtt aggtcagat aagtgagctc tgggccatga gagggtagggt 1440
ccagaagggt gggggaactg tacagatcag cagagcagga cagttggcag cagtgcctc 1500
agtagggaac atgtccgtct accctctcgc actcatgaca cctcccccta ccagccctcc 1560
tcttctcct cctcctcctc ctgtgggagg tggtcagtgg gacttaggga tctttcacct 1620
gctgtgccc gtagttctga agtctgcttg tggagcagtg ttttatgttt atccctgttt 1680
actgaagacc aaatactggt ttggagacaa cttccatgtc ttgctcttct acctccctag 1740
ttagtggaat tttggataag ggaactgtag ggcccagatt ctggagggtt tatgtcattg 1800
gccacagaat aactgtctct aagctatcca tggccagtg gtccctgcca agtctgtaga 1860
cttcagagag cacttctctc ttatggggtt catgggaaca ggggtgggtg tgacttgctt 1920
gggtggcctc ttcctatgtg gcctgtgcct ggggcatgga ctttggttaag cagagtcagc 1980
agttaggtcc tcattctcca gccagcctct ctgccctgga gaatcatgtg ctatgttcta 2040
agaatttgag aactagagtc ctcatcccca ggcttgaagg cacatggctt tctcatgtag 2100
ggctctctgt ggtatttgtt attattttgc aacaagacca ttttagtaaa acagtctgtg 2160
tcaagttgta ttcttttaag ttcttttatt ctcttttccc tgagattttt gtatatattg 2220
ttctgagtaa tggatcttt gagctgattg ttctaatac agctggtagc tactttcaat 2280
aaattctggt tttgtgtttt ct 2302
```

<210> 1712
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329
<223> n = A,T,C or G

<400> 1712

```

tccagcagca ggagagcgga tttacaacat ctcagggaat ggcagccctc ttgctgacag 60
caaagagatc ttcctcactg tgccagtggg cggcggagag agcctgcgat tattggccag 120
tgacttgcaag aggcacagta ttgccagct ggatccagag gccttgggaa acattaagaa 180
gctctccaac cgtctcgccc aaatctgcag cagcatacgg acccacaat gagacaccaa 240
agttgacagg atggactttt aatgggcaact tctgggaccc tgaagagact tcttcccttc 300
aggcttattg tttgagtgtg aagttccana gcaaggagcc atgttcctc 349

```

<210> 1713

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 253, 325, 330, 337, 365, 387

<223> n = A,T,C or G

<400> 1713

```

ttaaanaagg aacaacaaaa aactagggtt gtagaattat aaaactgctt caaccttaga 60
accttaagta ggaggccctc aaatggactt acgttagtcc ttagggagtc aatgcgtgtg 120
ttgctgctta ttaaataaca gttcagttgg agccccgaga gtgccaatgt tttccccaca 180
cctcttgcat gccttccctc tcccaaacc cagaagaggt gggcacctga gcggggaatc 240
tcaggtgact tantttgcca gtgcctactc tattgaagaa ctgggttttc atgctcgaga 300
agaaactcgt ggaagggcgt gtttncatn acaggtnac atgctgattg cttttgttga 360
atttnccttg tgcgacttat gccaaagaa tatgac 396

```

<210> 1714

<211> 5791

<212> DNA

<213> Homo sapiens

<400> 1714

```

gggaagagca cacacaatga agaccaagcc agctgtgagg tgctcactgt gaagaagaag 60
gcaggggccc tgacctcaac cccaaacagg aactcatcca agagacggtc ctcccttccc 120
aatggggaag ggctgcagct gaaggagaac tcggaatccg aggggtgttc ctgccactat 180
tggtcgctgt ttgacgggca cgcgggggtc ggggcccggg tgggtggcgtc acgcctgctg 240
cagcaccaca tcacggagca gctgcaggac atcgtggaca tcctgaagaa ctccgcccgtc 300
ctgcccccta cctgcctggg ggaggagcct gagaacacgc ccgccaacag ccggactctg 360
acccgggcag cctccctgcg cggaggggtg ggggcccccg gctccccccag caccgcccccc 420
acacgcttct ttaccgagaa gaagattccc catgagtgcc tgggtcatcg agcgcttgaa 480
agtgcattca aggaaatgga cctacagata gaacgagaga ggagttcata taatatatct 540
ggtggctgca cggccctcat tgtgatttgc cttttgggga agctgtatgt tgcaaatgct 600
gggatagca gggccataat catcagaaat ggagaaatta tccccatgtc ttcagaattt 660
acccccgaga cggagcgcca gcgacttcag tacctggcat tcatgcagcc tcaattgctg 720
ggaaatgagt tcacacattt ggagtttcca aggagagtac agagaaagga gcttggaag 780
aagatgctct acagggactt taatatgaca ggctgggcat acaaaacat tgaggatgag 840
gacttgaagt tcccccttat atatggagaa ggcaagaagg cccgggtaat ggcaactatt 900
ggagtgaaca ggggacttgg ggaccatgac ctgaagggtc atgactccaa catctacatt 960
aaaccattcc tgtcttcagc tccagaggta agaattctac atctttcaaa atatgatcat 1020
ggatcagatg atgtgctgat cttggccact gatggactct gggacgtttt atcaaatgaa 1080
gaagtagcag aagcaatcac tcagtttctt cctaactgtg atccagatga tcctcacagg 1140
tacacactgg cagctcagga cctgggtgat cgtgcccggg gtgtgctgaa ggacagagga 1200
tggcggatat ctaatgaccg actgggctca ggagacgaca tttctgtata tgtcattcct 1260

```

ttaatacatg	gaaacaagct	gtcatgaaaa	tggcccaggg	gattgggagg	acagagggga	1320
agaaagctgg	gatgcctctt	ggcaggacgg	aactgggaag	tgccccagct	gagttccaag	1380
tgatgcagtc	tcttcccagc	ccaagcgggg	agttcatggc	caaaagacta	tgcttcaaga	1440
tgaccttttg	gtttccattt	cttctttagt	aacagggtcaa	ctcaacaaga	gcaaaacaca	1500
aaggctgcta	ccaagtgttg	ttgtatttca	gttcctttca	taggcctccg	aggtggccat	1560
tgactatttg	gggtatatat	gtcatattta	ttttatctag	agtagctggg	gcagccattt	1620
tcaggtgtaa	atggcagagg	actcttcagc	ctgtcaagct	gccagcttat	ctacgggtta	1680
aaaagtgtcg	cattggaaag	taggggggtca	tgccctcaaaa	tgtaagtaag	tgccccacct	1740
ctaggaagcc	tgagggtttat	ttcaggggatt	gccgtctgcc	ccccgcccc	cttctctttt	1800
tttcttctct	gtttctattc	ttttatggca	gtggtggagt	gaggcaggga	tttttttttt	1860
ttttttttcg	tgtttttgac	attccttgaa	tctgtttttt	attccccctt	cacagaacag	1920
gcctgggact	ttccaacacc	ctgctaagga	agttctgtgt	ccaagtccca	cccaggctgg	1980
gttgtcccca	cctcctccag	cccacacagc	ccaggcagca	tccgggccag	tgccctgcat	2040
gacagagggg	ctttgttgtg	taatgtttgt	tcccaagttg	cattttctaa	ccgaatcagt	2100
gtgttttcat	gaaactgagt	gtttctgttg	accagtagtt	cctctgttgt	cttcagtggt	2160
cttcctgtgt	ggctcaaggg	ttctctgtga	gagtcctggat	tttcatltct	ygaaatggctg	2220
gccccatccc	acttttctgt	atcatgggga	cacatataaa	gcagtgttta	atagagcagt	2280
ttaagaagtt	gcttgcattc	gttgggtcac	catggtcat	ctggggacca	ttttggattc	2340
atgtttcatg	gcttgtgact	gtccccaagc	ccactccaaa	caaagtgtaa	ggatcagagt	2400
tctgtcaagg	agcagcagtt	ctgctctccc	catcatcttt	gtgcaaggcc	cctcgggggg	2460
cactttaata	aaagaatttg	aatggggttg	actggccatt	ctcatgctgt	gctccctgtc	2520
tcttctcttc	tctaaagaat	catgtcccag	ctcctcaagg	tccctctatg	gttccacatc	2580
tgagtgttcg	ccacaagagc	agcagcagca	ggcacagtgc	atgccatata	tacctgtctg	2640
ttctctgctg	ggaggaatgg	ccaagtagat	tataaaactc	acttctgtct	cttaggcaga	2700
cttgtagcgg	cacaaaatta	cctagtcttc	ttcctgctga	gctactgagg	tattgccacc	2760
attttgacaa	ctttgagtaa	ttaaaacact	cttctgaccc	aaaaaggaaa	aaaggtcact	2820
gacgtgaccc	ccccagcatg	ctagagagct	aattccagtt	ctcatatttg	tttgaatttc	2880
ttcccagagg	agaggatagg	aacctctcct	ccagggcagt	aatcacctg	catttctgga	2940
gttgtcggtg	ttgtattcga	aaaggcctgg	agccccctct	gctcaggaaa	gaactcattc	3000
caggggtgtg	agacagtgcc	gtctggcagg	tgaaatactg	tgggaattca	cgccaccagg	3060
tgtttgtgca	agtgttggcc	tgggaagaat	gggacttcgg	ccttgtcagg	agttgtcttc	3120
atctgcagca	cgtttcttcc	tccctgcagta	gatcttagct	accccagata	tctctatgga	3180
gagaagtttg	tggaaaatgc	tttgcttcgt	ggcagagtct	gatgctgtag	gaaaaccttc	3240
gggcatgtga	cagcagtgtg	gtccactccc	tgttctgccc	tggcgctcag	agtcattgtg	3300
aagtaggaaa	cctgagcaag	tcttccgtgg	aggacctga	gctgccgtct	ttgggatcct	3360
tcctgtgtcc	ccaccgtctt	tcatltattt	gctttcctgg	gcctctatct	gggccctacc	3420
ttgagcttct	ccagttttat	tcaagccacc	agagtaagaa	tttgggtgta	gatgtcacia	3480
ctaccttcta	ctcaattcac	caattcattt	actgctatgg	cacgtctcag	gaataactct	3540
agaaacctct	aaatcgaaat	attataaaat	cttgagcact	tagtcctgct	ggtttttagtt	3600
agaaaggcat	ccaggaattg	ttttcctacg	cccccttgag	tggaaagatc	ttagttagaa	3660
gataaagtca	agtttgtgtt	caggggatgg	gaggaagact	ataaataaga	tgaagaaatc	3720
aaaagtagga	aacatgatgt	aaacgaagca	tggcagatct	gtccagcact	gatattgctc	3780
tataaattga	gcttactcag	ttttggcctt	atttttttac	ccaggcccca	tgtcacccag	3840
tcctaaaaca	gtaaccgtgt	ctacataacg	ggttggcccc	tgggtgcatcc	ctggaaaagt	3900
caaaggacgc	acacttcgaa	attctgcaga	acgtattttat	acatggttca	gaaatccttg	3960
gtatctgact	tatagccaaa	tctgcttgct	cgaatagcct	cagaggaagt	cttggttaat	4020
aaaaaccttt	tgatttccta	gtcaagctct	tatggttgtc	tcgaggggtg	tgtggctact	4080
ttaatgaaag	gctttcctgc	tctaaatctc	tttgctgggc	tgggcctctt	cagactatct	4140
ggtgaaactc	ctttccttag	aacaaactca	gtccgtccat	gctctgtggc	attttgctag	4200
atgataacca	aagccttatt	cctgtagcca	gtgtcagcag	tcagagaggt	ggagggtgtg	4260
ttctgctgtg	gttatgcata	cctatctgct	gttcttgagg	tgtaaaagga	aagggtgaaa	4320
tcgggccagg	ccaagtactc	agctgtctta	ataggatgaa	gccttaagca	gtggaaattt	4380
cagttatttt	ccacagtatt	ccattttgga	ggattttggg	tgtttacttt	ttaaattctt	4440
gaacaactta	acctccatga	ggctttgtga	agtcagctgt	gaccaccttc	ctcttactgt	4500

gttctcagta ttcattcact tccaggggaag aatgacagcc acagggagat ggtggtgggc 4560
aagaatgaga gtcccaggat ccagatttag cctcagatct tccccattca ggaagggttt 4620
tccatttaac aagagcacta gtatgaaaac attagggaca aatctcccat gtctttgaaa 4680
ttcggattct cctcttgaga tccccttcct cacctgccaa tcaactttat aaggccacaa 4740
gtggtcactg gttttccttc cacagggttg aggttctcag ctttccttaa gcgacccagc 4800
agctccgctg ttttcagagt gaatatgtta agctttgatg agattctatt ttcagtaagt 4860
tagtgcttct gggacacttg gagaaagctg tgagagtcac tgtctacgca aagaacaacg 4920
aagctgatcc taaaagtgat ccaatctaag aaaatggtaa aacgagctct ggccacagca 4980
cagaatttta tgtgaggaac tcagattttt gaagacttaa caattgcaga gaaagggttg 5040
agcctgcaca ccatagccca cctctctgag cagacttttg ttttgtgtgg tgacgtggca 5100
catgtttgta cactgggatt tttcaaagga cgctacgcga gcagactgac ttgcctcttc 5160
tgtgagcact gtggcttttg tcagatggag tgccggctctg cagaggactg ctctttcgaa 5220
tccacagtgt tatctgtgta aatagcttta atttttcttc tgtgtcttag gtgaagtttt 5280
gttcatgtag caaccaggta gacagtgacc aaataaggct gtaaatgtgc tgtagttttc 5340
tactgtgatg tacttgaagg agaacctgtg tcctctactt ttctgatctc ccacaagtat 5400
tttgtgtttg tttcctgagt cctgaggtta ttattttact cctgttttgc cccagttttt 5460
ctttgttttt tttctggaga cccagggagg cccatggtgg agatcatttg taaggaaatgg 5520
atcatggtct gggtttccaa aactacccta gtacagtga tgagagaaat ctgcctggaa 5580
attgtttcag aaccatgtac ctttatgctt tgtgattgtg aaacattgac ttttttgtaa 5640
ccccaaaatg aaaactgttt agtaaagggg atctattttg tgtgttttga aacttaggtg 5700
caatgtcccc tggaaaaagc taaagaaatg tatatgttca atgacatttt aaaataaaat 5760
attatatata tgtatatatc acatattcag c 5791

<210> 1715
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 343, 344, 346, 370
<223> n = A,T,C or G

<400> 1715
tcagctgtct taataggatg aagccttaag cagtggaaat ttcagttatt ttccacagta 60
ttccattttg gaggatttgg ggtgtttact ttttaaattc ttgaacaact taacctccat 120
gaggctttgt gaagtcagct gtgaccaccc tcctcttact gtgttctcag tattcattca 180
cttcaggga agaatgacag ccacaggag atggtggtgg gcaagaatga gagtcccagg 240
atccagattt agcctcagat cttccccatt caggaagggt tttccattta acaagagcac 300
tagtatgaaa acattaggga caaatctccc atgtctttga aanncgatt ctctcttga 360
gatccccctn ctacactgcc aatcaacttt ataaggccac aagtgggcac tggttttcct 420
tccaca 426

<210> 1716
<211> 2188
<212> DNA
<213> Homo sapiens

<400> 1716
gccgcgtggg ggacggcccg gttacttcct ccagagactg acgagtgcgg tgtcgctcca 60
gtcagagct cccggagccg cccggccagc gtccggcctc cctgatcgtc tctggccggc 120
gccctcgccc tcgcccggcg cgcaccgagc agccgcgggc gccgagcagc caccgtccc 180

accaagcgcc ggccctgccc gcagcggcag gatgaatgat ttcggaatca agaatatgga 240
 ccaggtagcc cctgtggcta acagttacag agggacactc aagcgccagc cagcctttga 300
 cacctttgat gggtcctgt ttgctgtttt tcttctcta aatgaagagc aaacactgca 360
 agaagtgcc acaggcttgg attccatttc tcatgactcc gccaaactgtg aattgccttt 420
 gttaaccccg tgcagcaagg ctgtgatgag tcaagcctta aaagctacct tcagtggctt 480
 caaaaaggaa cagcggcgcc tgggcattcc aaagaacccc tggctgtgga gtgagcaaca 540
 ggtatgccag tggcttctct gggccaccaaa tgagttcagt ctggtgaacg tgaatctgca 600
 gaggttcggc atgaatggcc agatgctgtg taaccttggc aaggaacgct ttctggagct 660
 ggcacctgac tttgtgggtg acattctctg ggaacatctg gagcaaatga tcaaagaaaa 720
 ccaagaaaag acagaagatc aatatgaaga aaattcacac ctacacctcg ttctcattg 780
 gattaacagc aatacattag gttttggcac agagcaggcg ccctatggaa tgcagacaca 840
 gaattacccc aaaggcggcc tccctggacag catgtgtccg gcctccacac ccagcgtact 900
 cagctctgag caggagtttc agatgttccc caagtctcgg ctacgtccg tcagcgtcac 960
 ctactgctct gtcagtcagg acttcccagg cagcaacttg aatttgctca ccaacaattc 1020
 tgggactccc aaagaccag actccctga gaacgggtgcg gacagcttcg agagctcaga 1080
 ctccctctc cagtccctgga acagccagtc gtccttgctg gatgtgcaac gggttccttc 1140
 cttcgagagc ttogaagatg actgcagcca gtctctctgc ctcaataagc caaccatgtc 1200
 tttcaaggat tacatccaag agaggagtga cccagtggag caaggcaaac cagttatacc 1260
 tgcagctgtg ctggccggct tcacaggaag tggacctatt cagctgtggc agtttctcct 1320
 ggagctgcta tcagacaaat cctgccagtc attcatcagc tggactggag acggatggga 1380
 gtttaagctc gccgacccc atgaggtggc ccgccggtgg ggaaagagga aaaataagcc 1440
 caagatgaac tacgagaagc tgagccgggg cttacgctac tattacgaca agaacatcat 1500
 ccacaagacg tcgggggaagc gctacgtgta ccgcttcgtg tgcgacctcc agaacttgct 1560
 ggggttcacg cccgaggaac tgcacgocat cctgggcgtc cagcccgcga cggaggactg 1620
 aggtcgccgg gaccaccctg agccggcccc aggtcctgtg actgagtggg aagcccatcc 1680
 tgaccagctg ctccgaggac ccaggaaagg caggattgaa aatgtccagg aaagtggcca 1740
 agaagcagtg gccttattgc atcccaaacc acgcctcttg accaggctgc ctcccttgtg 1800
 gcagcaacgg cacagcta atctactcaca gtgcttttaa gtgaaaatgg tcgagaaaga 1860
 ggcaccagga agccgtctg gcgcctggca gtccgtggga cgggatggtt ctggctgttt 1920
 gagattctca aaggagcgag catgtcgtgg acacacacag actattttta gattttcttt 1980
 tgccttttgc aaccaggaac agcaaatgca aaaactcttt gagagggtag gaggggtggga 2040
 aggaacaac catgtcattt cagaagttag tttgtatata ttattataat cttataattg 2100
 ttctcagaat cccttaacag ttgtatttaa cagaaattgt atattgtaat ttaaaataat 2160
 tatataactg tatttgaaat aagaattc 2188

<210> 1717

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 239, 288, 381

<223> n = A,T,C or G

<400> 1717

gcgggtgtgg aggcgggaca catgctgtcc aggaggccgc ctttggggta attctgtgtc 60
 tgcattccat agggcgccctg ctctgtgcca aaacctaatg tattgctgtt aatccaatga 120
 ggaacggagg tgaggtgtga attttcttca tattgatctt ctgtcttttc ttggttttct 180
 ttgatcattt gctccagatg ttcccagaga atgtcaccca caaagtcagg tgccagctnc 240
 agaaagcgtt ccttgccaag gttacacagc atctggccat tcatgcnaa cctctgcaga 300
 ttcacgttca ccagactgaa ctcatgggtg gcccaaaca gccactggca tacctgttgc 360
 tcaactccaca gccaggggtt ntttgggaatg cccaagc 397

<210> 1718
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 215, 242, 257
 <223> n = A,T,C or G

<400> 1718
 gcgggtgtgg aggccggaca catgctgtnc aggaggccgc ctttggggta attctgtgtc 60
 tgcattccat agggcgccctg ctctgtgccaa aaacctaatg tattgctgtt aatccaatga 120
 gggacggagg tgaggtgtga attttcttca tattgatctt ctgtcttttc ttgggtttct 180
 ttgatcattt gctccagatg ttcccataga atgtnaccca caaagtcagg tgccagcttc 240
 anaaagcggt ccttgcnag gttacacagc atctggccat tcatgct 287

<210> 1719
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1719
 tcgacccgga ttccggttcc ggtgggctcc atcagcaagc tccagtgtta cgtgtccctg 60
 gcatttttagg tgtcgggttg gtaggcagtc atggatcagg taatgcagtt tgttgagcca 120
 agtcggcagt ttgtaaagga ctccattcgg ctggttaaaa gatgcactaa acctgataga 180
 aaagaattcc agaagattgc catggcaaca gcaataggat ttgctataat gggattcatt 240
 ggcttctttg tgaaattgat ccatattcct attaataaca tcattgttgg tggctgaata 300
 cattttggaa gagagttttt catcttagag attggtgaac aagtgtgagg gtgtgagaaa 360
 ctcacagaat acaaatttgc ctgtatgttt tgtgggtttt tttttttcct ttcaagatgt 420
 ttctattttc taaattaaag taatttcaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
 aa 482

<210> 1720
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 327, 342, 384
 <223> n = A,T,C or G

<400> 1720
 gcgggggatt ccggttccgg tgggcctcca tcagcaagct ccagtgtctac gtgtccctgg 60
 catttttaggt gtcggttggg taggcagtcg tggatcaggt aatgcagttt gttgagccaa 120
 gtcggcagtt tgtaaaggac tccattcggc tgggttaaaag atgcactaaa cctgatagaa 180
 aagaattcca gaagattgcc atggcaagag caataggatt tgctataatg ggattcattg 240
 gcttctttgt gaaattgatc catattccta ttaataacat cattgttggg ggctgaatac 300
 attttgggaag agagtttttc atcttanaga ttggtgaaca antgtgaggg tgtgagaaac 360
 tcacagaata caaatttggc tgtntgtttt gtggg 395

<210> 1721
 <211> 4497

09560300.073104

<212> DNA
<213> Homo sapiens

<400> 1721

```

ctgcagcctt gaactcctgg gttcaactga aggtcctcct acctcagcct gctgagtagc 60
taggaccaca agcacacacc accgcaactg gcttaaatta aaatataaat tgtagagata 120
gggtcttaat gtgttgccca ggctgctctt gaactccttg cttcaggtga tctctcccacc 180
tcagcctctc aaagtgtgg gattatagac ctgagccaca gcacctggcc aactgacctt 240
tgattttaca caatggctgc tcttcccttc ttttaactatt attcattctt ctttgatcct 300
cattatttga ctgtagtctt tcttatgtct tgttttcctt cattacctct tattctatca 360
cattgccatt gtcattctcc actggggaag ctctttcttg ctgaagactg gaaagacaag 420
tccattcacc tgattttctg taagattgtg gctcatgtat tgacttgtca gacaattctg 480
aagtttcac aaatttagct atcatgcttg cataatggcc ctgaaccctc actcctacac 540
ttagcttcag taccatctat gtccctcaact gtccatgata cttataattc ccgtaaatct 600
tcacttaaca cctaacattt atttaactct actaggcaag gtaataagaa atacataggt 660
ttgcctccag aagtgggttc ttaagaaacc caccagagga actcctcttt cagatgtcca 720
cattagaaga ttcatatca catttggtgc cacaggcctt tgacaaggag gatgcagagg 780
aaaaagcaaa cttcacctct tcctagggaa agtggtggcc tgccaacagg aaagaggcaa 840
catctgggaa aatccccagt ctttgccagg aagagtccat gccaacccca ccccatgacc 900
cctgtcctgc ctactcattg tcaactcttc ctccaatgtc cctccccag atcctctata 960
aaatcccaact ctttctgac cagacaaacc ataccatata ccaccagaga ggtaagtggg 1020
agctgagaga agatgagacc caggaggagg ctactgcaca tgacacagga gaatacatgg 1080
gagggctcct tcctcagggg gcacaggaac tctgagactc agcaaggggtg tcctgggagg 1140
gctcggggat gggagagtac acagattcac aactcattca gaactgtaga agatgatgga 1200
tgtgaccaag atcactttag tcctagggga ctagagaagg aaaatgacat gaggcagtgg 1260
ggtatctgtg tgttctccca ctgaccacgc tttcttttag gactcctgat tgctcctca 1320
agtgcagac actatgctgc ctcccatggc cctgcccagt gtatcttggg tgctgctttc 1380
ctgcctcatg ctgctgtctc aggttcaagg tgagattgct ttgcctctag cactgggttc 1440
cctatgaatc ctgagagcta acaagaggag gaaggctcct gtgtgtcatg tgaggtaatg 1500
acgtggtgtc taatgaacct gcctgcagtt cttgcacatc ctctccttcc ttcagggtta 1560
cttgagtggt gaggtccat ggtggtccac taacagtggg atgagatggc ttccatttag 1620
tcagtggact ctaatatata ctggtgggaa agtggactct aatatacact ggaggggtcag 1680
taatgagatg tggggaggga caatgattgg aggacccaat gtagagacag ccagagtga 1740
ggagagtatt gaatggttga ataaggggaa agggtaataa gagactggat ggtgctccat 1800
ttactatggc tattttgaga taaagaattt ctgaaaacat aagggaagat gaaggggtgt 1860
caggaatgtg gtcttctctc ccaaggacat tcctaggtat tccccagggt catctcccac 1920
cccaagcccc actcttcatt ttaccctccc ctctcttctt ccacctcagg tgaagaacct 1980
cagaggggaa tgccctctgc acggatccgc tgtcccaaag gctccaaggc ctatggctcc 2040
cactgctatg ccttggtttt gtcacaaaaa tcctggacag atgcagatgt gagtgggttag 2100
atgtggtgtt ggaggtgacc ggtctcaggg ggaggagggt ctccattcag gagagtccct 2160
tgggaatgag gatgaacacg tttatctttc acacagtcct cctcccacct acctttgcc 2220
tgccctccct cagcaggtct caggtccct ctcatctctt ttgttgccct caaagctggc 2280
ctgccagaag cggccctctg gaaacctggt gtctgtgctc agtggggctg agggatcctt 2340
cgtgtcctcc ctggtgaaga gcattggtta cagctactca tacgtctgga ttgggctcca 2400
tgacccca caaggtgccag tatatcctcc ctctctgtta cctctcaagg tgctattgtt 2460
gcccaggccc actcctctgc ccctgtgctt gccagggaag tacttcaggg agcactggag 2520
ctcagattct ggggaatatt tggggggaaa ggggaaggcca tgaagcatct gaagatctga 2580
gttctgtgga ggtctctatc tttcagataa aatcaatctg ccttctcag gcgtattaca 2640
taattctcat atgaggctgg gttacaatt ctctgagctt catggagtct ttgcctacta 2700
ttctgaagga actcttaatg aagataggat caatttttgt ccccatacag aactgacatt 2760
acttttgagg ttcaacagct aatcacaat gctacatcaa ttattgttct gcaaataata 2820
tattaccttg agttgttcca aaggtcttat gtttattggc tgggaatttt caatagcaat 2880
gaggagtcaa ggaagagttt cctactcacc ggcagcatct ggaatagcag accaactttc 2940
ctcatgctgg ggagcaaata aggtgttgca gctaaggggc catgcaagaa gagctgcaat 3000

```

05520300 "073104

ggccattccc ttcacctggc tacctcctct actctacagg gcaccgagcc caatggagaa 3060
 gggtgggagt ggagtagcag tgatgtgatg aattactttg catgggagag aaatccctcc 3120
 accatctcaa gccccggcca ctgtgcgagc ctgtcgagaa gcacaggtaa gaaacagagg 3180
 agctgcctct tcccagtggt ttccatctca tccccattc ctgggtctga ccttcaggaa 3240
 atcttcctga gctagaaaat acaatgtagg tgtgtcttct cttatctcct ctcttctcca 3300
 ctttctttga atctctctcc tggattggga cactggtgaa ggtgagggag aggctttaac 3360
 ttctaggcta aaacctggga tgccccctca ttggattcac aagcttcctc agccccattc 3420
 catttatgtc ttctgtctct ccagcatttc tgaggtggaa agattataac tgtaatgtga 3480
 ggttacccta tgtctgcaag ttcactgact agtgcaggag ggaagtcagc agcctgtgtt 3540
 tgggtgtcaa ctcatcatgg gcatgagacc agtgtgagga ctcaccctgg aagagaatat 3600
 tcgcttaatt cccccaacct gaccacctca ttcttatctt tcttctgttt cttcctcccc 3660
 gctgtcattt cagtctcttc attttgtcat acggcctaag gctttaaaga gcaataaaat 3720
 ttttagtctg cacttgtttg tcttgtatat gccagtgtca tagccatact ctgagaagga 3780
 caaagtgttt gagtggagga aactttatgg gtcttgcttc ttcctattc acccaggcct 3840
 ctagggaaaa tgatgaagtg tgcatcccta ccagtgtgtt atgatgaggg tgtgggtcct 3900
 gctcatgtag gatttgtgtt gtggagagat gaggacattt ctctcccgcg tacttactgc 3960
 cctcccattc ccgtagccca aacctgacag tgtgacatga acagattagg aggctctgat 4020
 ggtgcttaga atagtacttc tcagagaatg gcatcagcag gatggtagat aggactttcc 4080
 agctcttgaa ccttcacaga aacattcatt tgaactacta cccattaaaa tggaaatacc 4140
 ttcacaagag ctaacaatcc caagtgagtg attaaagcat ctgaatgttg caaaaaataa 4200
 gaagggatgc atcgaagagg gtagaaagaa gacttttaca ttatttatat caccctcca 4260
 tcaatctcag taagcacagc atggagagac attccctaaa cttggggaaa gagagtgaaa 4320
 taagcacttg agttttccat ggaccctaac actaggtttg cctcagtaag acccagtggc 4380
 ctctgactcc aggagacac ccttggactt agactccagg ctgccttgat gccaggccag 4440
 gctctgtggc cccaggctct gtgacccag gctccaggtc agccccatg actgcag 4497

<210> 1722
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1722
 gcgggggtga agagcattgg taacagctac tcatacgtct ggattgggct ccatgacccc 60
 acacagggca ccgagcccaa tggagaaggt tgggagtgga gtagcagtga tgtgatgaat 120
 tactttgcat gggagagaaa tccctccacc atctcaagcc ccggccactg tgcgagcctg 180
 tcgagaagca cagcatttct gaggtggaaa gattataact gtaatgtgag gttaccctat 240
 gtctgcaagt tactgacta gtgcaggagg gaagtcagca gcctgtgttt ggtgtgcaac 300
 tcatcatggg catgagacca gtgtgaggac tcaccctggg agagaatatt cgcttaattc 360
 ccccaacctg accacctcat t 381

<210> 1723
 <211> 494
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 264, 294, 400, 443, 450, 451, 467, 477
 <223> n = A,T,C or G

<400> 1723
 cctcaaaaat atttacaatg aagtaaatac actaacagaa tttaaaacag gcacaaaata 60
 ttgaaatgac caacgttaca tgatttcaag ggttgtcctt tctgtgcttt tatctgtcac 120
 gacaggaagg tgtggaaagt ttatatcctt aatttgacta ctcttgata ttaaaatctt 180

```

tctattaatt aaaaagactt ttagacaacc tcttaaattg aattacacta tggaaaacag 240
ggctcccca aaaacaccta ggcngaactg agagttcttt gaaaaccatt cccnataaaa 300
actaaatgaa aaataaatat aaaacaaagc ttaaaaaaat atgcattacc tgacaccaac 360
cttttctggc tgacaatatt tattcatgaa aacatatcan ctgtctacct tttatatgca 420
aaccaagtcc tgagggttaac tangggctgn ngcaaactaa catttangat gcaaacnttc 480
ttggatttgt gatg 494

```

```

<210> 1724
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 414, 421, 473
<223> n = A,T,C or G

```

```

<400> 1724
cgacgtcgac tatccaagat gtacaaaaaa gaactacttg tattctagaa gaaatatgaa 60
atgcttaatt tataagcggg ctggagattt tttccaatat tgttttcttt gaaaatgaaa 120
ggggatcatc tatttttagtt ttggggctctg ggaacttttt gaaaatttaa tttgtggacc 180
aatgtttttg tgaaagctaa agagggcagg ggttaaaata gggcttgaat ttctcattct 240
gtatagacca gcaaacttcc ctgtgcaagg caagtttaca tcacaaatcc aagaatgttt 300
gcatcctaaa tgctagtttg cttcagcccc tagttaacct caggacttgg tttgcatata 360
aaaggtagac agctgatatg ttttcatgaa taaatattgt cagccagaaa aggntgggtgt 420
naggtaatgc atatTTTTTT aagcttttgt gtatatTTTat ttttcattta ganttattgg 480
gaatggtttt caaagaac 498

```

```

<210> 1725
<211> 391
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 119, 147, 164, 212, 266, 362, 363, 382
<223> n = A,T,C or G

```

```

<400> 1725
ggggagacgg gccccaaagc cctcgggctc accccagggtg ccctaaacca ccaactcattt 60
tgctactgac atttcctccc gcaagtccca gcacctgcct ccaactccac ccattgcana 120
tccaggcaca gtccacctgt atcccanccc ctaatctcta tgncaagtg caccctgatc 180
actgattact gtgttctaca tgcattccaa anagttactt cctacttgcc caggactgca 240
gaccacctct gactagaaca gaccancaag cgtcttttgt atccaatgtg ctgaactaca 300
ccttctccaa taacatctga actcttattg ccttccttat gtacatcttg gatagtcgac 360
gnnggtaagg gcgaattctg cngatatcca t 391

```

```

<210> 1726
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

05920300 "0" 3404

<222> 215

<223> n = A,T,C or G

<400> 1726

```

aaaagaatac aatatgattt gtcaaaaaaac atataaaaaag acagctgctc ttcctcaaat 60
acatgagcta atgataaaaag acttttttcat gttaatgtct ccaagttctt cttttttacat 120
aaaaaagaac attatggtgg caaatgtgaa ttatcctttt aatattgaac attatatctt 180
tttaaaatcc atccagatca aatgcaataa ttttnttttt aactcaacaa ctgatgctac 240
caaacgtgga ctcaatatac ttgttaaaaac gtgtaaagcg tgtctctagt cttcaaagct 300
ttcaggtgaa gagaggtgct ttttcttgat gcaaactctca aggcagagaa aatcatttta 360
aagcttataa aaagtggaca gagaaatatt aaaaacttct ctgaaatata caaatatgtg 420
taatttttaa aattgaagac ag

```

<210> 1727

<211> 2348

<212> DNA

<213> Homo sapiens

<400> 1727

```

cacttttgat aacctgagtc ccggcctgga gtacaatgtc agtggtttaca ctgtcaagga 60
tgacaaggaa agtgtcccta tctctgatac catcatccca gctgttcttc ctcccactga 120
cctgcgattc accaaccattg gtccagacac catgcgtgtc acctgggctc ccccccatc 180
cattgattta accaacttcc tgggtgcgtta ctacactgtg aaaaatgagg aagatgttgc 240
agagttgtca atttctcctt cagacaatgc agtggtctta acaaactctc tgccctggtag 300
agaatatgta gtgagtgctt ccagtggtct cgaacaacat gagagcacac ctcttagagg 360
aagacagaaa acaggtcttg attccccaac tggcattgac ttttctgata ttactgccaa 420
ctcttttact gtgcactgga ttgctcctcg agccaccatc actggctaca ggatccgcca 480
tcatcccgag cacttcagtg ggagacctcg agaagatcgg gtgccccact ctcggaattc 540
catcacctc accaaccctca ctccaggcac agagtatgtg gtcagcatcg ttgctcttaa 600
tggcagagag gaaagtccct tattgattgg ccaacaatca acagtctctg atgttccgag 660
ggacctggaa gttgttgctg cgacccccac cagcctactg atcagctggg atgctcctgc 720
tgtcacagtg agatattaca ggatcactta cggagaaaca ggaggaaata gccctgtcca 780
ggagttcact gtgcctggga gcaagtctac agctaccatc agcggcctta aacctggagt 840
tgattatacc atcactgtgt atgctgtcac tggccgtgga gacagccccg caagcagcaa 900
gccaatttcc attaatattc gaacagaaat tgacaaacca tcccagatgc aagtgaaccg 960
tgttcaggac aacagcatta gtgtcaagtg gctgccttca agttcccctg ttactggtta 1020
cagagtaacc accactccca aaaatggacc aggaccaaca aaaactaaaa ctgcaggtcc 1080
agatcaaaca gaaatgacta ttgaaggctt gcagcccaca gtggagtatg tggttagtgt 1140
ctatgctcag aatccaagcg gagagagtca gcctctggtt cagactgcag taaccactat 1200
tcctgcacca actgacctga agttcactca ggtcacaccc acaagcctga gcgcccagtg 1260
gacaccaccc aatgttcagc tcaactggata tcgagtgcgg gtgaccccca aggagaagac 1320
cggaccaatg aaagaaatca accttgctcc tgacagctca tccgtggttg tatcaggact 1380
tatggtggcc accaaatatg aagtgagtg ctatgctctt aaggacactt tgacaagcag 1440
accagctcag ggtgttgtca ccactctgga gaatgtcagc ccaccaagaa gggctcgtgt 1500
gacagatgct actgagacca ccataccatc tagctggaga accaagactg agacgatcac 1560
tggcttccaa gttgatgccc ttccagccaa tggccagact ccaatccaga gaaccatcaa 1620
gccagatgtc agaagtaca ccatacagg tttaacaacc ggcactgact acaagacta 1680
cctgtacacc ttgaatgaca atgctcggag ctccccctgtg gtcacgacg cctccactgc 1740
cattgatgca ccatccaacc tgcgtttcct ggccaccaca cccaattcct tgctgggtatc 1800
atggcagccg ccacgtgcca ggattaccgg ctacatcatc aagtatgaga agcctgggtc 1860
tcctcccgaa gaagtgggcc ctgcggcccc cctgggtgtc acagaggcta ctattactgg 1920
cctggaaccg ggaaccgaat atacaattta tgtcattgcc ctgaagaata atcagaagag 1980
cgagccccctg attggaagga aaaagacagt tcaaaagacc cctttcgtca cccaccctgg 2040
gtatgacact ggaaatggta ttcagcttcc tggcacttct ggtcagcaac ccagtgttgg 2100

```

05920300 "073401
 TOTAL 00000000

```

gcaacaaatg atctttgagg aacatggttt taggcggacc acaccgcca caacggccac 2160
ccccataagg cataggccaa gaccataccc gccgaatgta ggacaagaag ctctctctca 2220
gacaaccatc tcatggggccc cattccagga cacttctgag tacatcattt catgtcatcc 2280
tgttggcact gatgaagaac ccttacagtt cagggttcct ggaacttcta ccagtgccac 2340
tctgacag                                     2348

```

```

<210> 1728
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 238, 251, 318, 340, 358, 366, 372, 383
<223> n = A,T,C or G

```

```

<400> 1728
tcagaagtgt cctggaatgg ggcccatgag acggttgtct gagagagagc ttcttgcct 60
gtctttttcc ttccaatcag gggctcgctc ttctgattat tcttcagggc aatgacataa 120
attgtatatt cggttcccggt ttccaggcca gtaatagtag cctctgtgac accagggcgg 180
ggccgaggga ccacttctct gggaggagac ccaggcttct catacttgat gatgtagncc 240
gtaatcctgg nacgtggcgg ctgccatgat accagcaagg aattgggtgt ggtggccagg 300
aaacgcacgt tggatggngc atcaatggca gtggaggcgn cgatgaccac aggggagntc 360
cgagcnttgt cnttcaaggt gtncaggtag atcttgtagt ctttgcctgg a 411

```

```

<210> 1729
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 182, 269, 289, 291
<223> n = A,T,C or G

```

```

<400> 1729
cgcttgacag ttgtcctggg actgcttgct ttattcctga cctgctatgc agacgacaaa 60
ccagacaagc cagacgacaa gccagacgac tcgggcaaag acccaaagcc agacttcccc 120
aaattcctaa gcctcctggg cacagagatc attgagaatg cagtcgagtt catcctccgc 180
tncatgtcca ggagcacgta agcactgaga aaaacgttac tttttgtcca attctctgtt 240
gataatgacc acacaatgac ctcatggcnt taaaatacat gagaaacana naaaaaaaaa 299

```

```

<210> 1730
<211> 430
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 273, 363, 374, 390, 413
<223> n = A,T,C or G

```

```

<400> 1730
ttcctggcta gtcggtgtaa acgttgcaaa accagtctgt ggggtctaaga gctaatagcgg 60

```

05960300.03401

```

gcatggctgt tgggatggag gacctgctgt ggcttgggcc tggatcgaa agagtctgga 120
tttttagggc tcatactatc ctccgtgggc atgctccaat aaattcactg ctttgtggcg 180
cgacccttag gtattctgca ttttcagctg tggagccctt aaagatgcca tttggcttgg 240
cttccttggg aaagaagtcc tgctggtagt canggttgtc caggctaatt tggtagctgc 300
ctttctgggc ccagtgggca gggctgtcga atgtgctgtt gacacagggtg ggctggacag 360
tgntgagata ctcnngggtg cccactgcan tgctgtgggg gtccctggtaa tgnnggtctc 420
tactgggcgc                                     430

```

<210> 1731

<211> 5264

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2497

<223> n = A,T,C or G

<400> 1731

```

cttccagttt gccaaaggcac gagtaacaag ctacgcagct tgggcacttt tgaagatcat 60
tttctcagcc tccagaggat gttcaataac tgtgagggtg tccttgggaa tttggaaatt 120
acctatgtgc agaggaatta tgatctttcc ttcttaaaga ccatccagga ggtggctggg 180
tatgtcctca ttgccctcaa cacagtggag cgaattcctt tggaaaacct gcagatcatc 240
agaggaaata tgtactacga aaattcctat gccttagcag tcttatctaa ctatgatgca 300
aataaaaaccg gactgaagga gctgcccatg agaaatttac aggaaatcct gcatggcgcc 360
gtgcggttca gcaacaaccc tgccctgtgc aacgtggaga gcatccagtg gcgggacata 420
gtcagcagtg actttctcag caacatgtcg atggacttcc agaaccacct gggcagctgc 480
caaaagtgtg atccaagctg tcccaatggg agctgctggg gtgcaggaga ggagaactgc 540
cagaaactga ccaaaatcat ctgtgcccg cagtgtccg ggcgctgccg tggcaagtcc 600
cccagtgact gctgccacaa ccagtgtgct gcaggctgca caggcccccg ggagagcgag 660
tgcttgggtc gccgcaaatt ccgagacgaa gccacgtgca aggacacctg cccccactc 720
atgctctaca accccaccac gtaccagatg gatgtgaacc ccgagggcaa atacagcttt 780
gggtgccacct gcgtgaagaa gtgtccccgt aattatgtgg tgacagatca cggctcgtgc 840
gtccgagcct gtggggccga cagctatgag atggaggaaag acggcgctcg caagtgtaa 900
aagtgcgaag ggccttgccg caaagtgtgt aacggaatag gtatttgtga atttaaagac 960
tactctcca taaatgtac gaatattaaa cacttcaaaa actgcacctc catcagtggc 1020
gatctccaca tctgcccgtt ggcatttagg ggtgactcct tcacacatac tctctctctg 1080
gatccacagg aactggatat tctgaaaacc gtaaaggaaa tcacagggtt tttgctgatt 1140
caggcttggc ctgaaaacag gacggacctc catgcctttg agaacctaga aatcatacgc 1200
ggcaggacca agcaacatgg tcagttttct cttagcagtcg tcagcctgaa cataacatcc 1260
ttgggattac gtcacctcaa ggagataagt gatggagatg tgataatttc aggaaacaaa 1320
aatttgtgct atgcaaatc aataaactgg aaaaaactgt ttgggacctc cggtcagaaa 1380
acaaaaatta taagcaacag aggtgaaaac agctgcaagg ccacaggcca ggtctgccat 1440
gccttgtgct ccccgagggt ctgctggggc ccggagccca gggactgcgt ctcttgccgg 1500
aatgtcagcc gaggcaggga atgcgtggac aagtgaacc ttctggaggg tgagccaagg 1560
gagtttgtgg agaactctga gtgcatacag tgccacccag agtgcctgcc tcaggccatg 1620
aacatcacct gcacaggacg gggaccagac aactgtatcc agtgtgccc ctacattgac 1680
ggccccact gcgtcaagac ctgcccggca ggagctatgg gagaaaacaa caccctgggtc 1740
tggaaagtacg cacagccggg ccatgtgtgc cacctgtgcc atccaaactg cacctacgga 1800
tgcaactggc caggctcttga aggtgttcca acgaatgggc ctaagatccc gtccatcgcc 1860
actgggatgg tgggggccct cctcttctgt ctgggtgggt ccctggggat cggcctcttc 1920
atgcgaaggc gccacatcgt tcggaagcgc acgctgcgga ggctgctgca ggagaggagg 1980
cttgtggagc ctcttacacc cagtggagaa gctcccaacc aagctctctt gaggatcttg 2040
aaggaaactg aattcaaaaa gatcaaagtg ctgggctccg gtgcgttcgg cacggtgtat 2100

```

05920300 "073101

aagggactct	ggatcccaga	aggtgagaaa	gttaaaaattc	ccgtcgctat	caaggaatta	2160
agagaagcaa	catctccgaa	agccaacaag	gaaatcctcg	atgaagccta	cgtgatggcc	2220
agcgtggaca	acccccacgt	gtgccgcctg	ctgggcatct	gcctcacctc	caccgtgcag	2280
ctcatcacgc	agctcatgcc	cttcggctgc	ctcctggact	atgtccggga	acacaaagac	2340
aataattggct	cccagtacct	gctcaactgg	tgtgtgcaga	tcgcaaaggg	catgaactac	2400
ttggaggacc	gtcgcttggg	gcaccgcgac	ctggcagcca	ggaacgtact	ggtgaaaaca	2460
ccgcagcatg	tcaagatcac	agattttggg	ctggcanact	gctgggtgcc	ggagagaaga	2520
atacatgcag	aagatcccaa	ggtgcctatc	aagtggatgg	cattggaatc	aatttttacac	2580
agaatctata	cccaccagag	tgatgtctgg	agctacgggg	tgactgtttg	ggagttgatg	2640
acctttggat	ccaagccata	tgacggaatc	cctgccagcg	agatctcctc	catcctggag	2700
aaaggagaac	gcctccctca	gccacccata	tgtaccatcg	atgtctacat	gatcatggtc	2760
aagtgtcggg	tgatagacgc	agatagtcgc	ccaaagttcc	gtgagttgat	catcgaattc	2820
tccaaaatgg	cccgagaccc	ccagcgctac	cttgtcattc	agggggatga	aagaatgcac	2880
ttgccaagtc	ctacagactc	caacttctac	cgtgccctga	tggatgaaga	agacatggac	2940
gacgtgggtg	atgccgacga	gtacctcatc	ccacagcagg	gcttcttcag	cagccctcc	3000
acgtcacgga	ctccctcct	gagctctctg	agtgcaccca	gcaacaattc	caccgtggct	3060
tgcattgata	gaaatgggct	gcaaagctgt	cccatcaagg	aagacagctt	cttgcagcga	3120
tacagctcag	acccacacag	cgcttggact	gaggacagca	tagacgacac	cttcctccca	3180
gtgcctgaat	acataaacca	gtccgttccc	aaaaggcccg	ctggctctgt	gcagaatcct	3240
gtctatcaca	atcagcctct	gaaccccgcg	cccagcagag	acccacacta	ccaggacccc	3300
cacagcactg	cagtgggcaa	ccccgagtat	ctcaacactg	tccagcccac	ctgtgtcaac	3360
agcacattcg	acagccctgc	ccactggggc	cagaaaggca	gccaccaa	tagcctggac	3420
aaccctgact	accagcagga	cttctttccc	aagggaagcca	agccaaatgg	catctttaag	3480
ggctccacag	ctgaaaatgc	agaataccta	agggtcgcgc	cacaaagcag	tgaatttatt	3540
ggagcatgac	cacggaggat	agtatgagcc	ctaaaaatcc	agactctttc	gatacccagg	3600
accaagccac	agcaggctct	ccatcccaac	agccatgccc	gcattagctc	ttagaccac	3660
agactggttt	tgcaacgttt	acaccgacta	gccaggaagt	acttccacct	cgggcacatt	3720
ttgggaagtt	gcattccctt	gtcttcaa	tgtgaagcat	ttacagaa	gcatccagca	3780
agaatattgt	ccctttgagc	agaaatttat	ctttcaaaga	ggtatatatt	aaaaaaaa	3840
aaagtatatg	tgaggatttt	tattgattgg	ggatcttggg	gtttttcatt	gtcgctattg	3900
atttttactt	caatgggctc	ttccaacaag	gaagaagctt	gctggtagca	cttgctaccc	3960
tgagttcatt	caggcccaac	tgtgagcaag	gagcacaagc	cacaagctct	ccagaggatg	4020
cttgattcca	gtggttctgc	ttcaaggctt	ccactgcaaa	acactaaaga	tccaagaagg	4080
ccttcatggc	cccagcaggc	cggatcggtg	ctgtatcaag	tcatggcagg	tacagtagga	4140
taagccactc	tgtcccttcc	tgggcaaaga	agaaacggag	gggatggaat	tcttccttag	4200
acttactttt	gtaaaaatgt	ccccacggta	cttactcccc	actgatggac	cagtggtttc	4260
cagtcatgag	cgttagactg	acttgtttgt	cttccattcc	attgttttga	aactcagtat	4320
gctgcccctg	tcttgctgtc	atgaaatcag	caagagagga	tgacacatca	aataataact	4380
cggattccag	cccacattgg	attcatcagc	atttggaaca	atagcccaca	gctgagaatg	4440
tggaatacct	aaggatagca	ccgcttttgt	tctcgcaaaa	acgtatctcc	taatttgagg	4500
ctcagatgaa	atgcatcagg	tcctttgggg	catagatcag	aagactacaa	aaatgaagct	4560
gctctgaaat	ctccttttagc	catcacccca	accccccaaa	attagtttgt	gttacttatg	4620
gaagatagtt	ttctcctttt	acttcacttc	aaaagctttt	tactcaaaga	gtatatgttc	4680
cctccaggtc	agctgcccc	aaacccctc	cttacgcttt	gtcacacaaa	aagtgtctct	4740
gccttgagtc	atctattcaa	gcacttacag	ctctggccac	aacagggcat	tttacagggtg	4800
cgaatgacag	tagcattatg	agtagtgtgg	aattcaggta	gtaaatatga	aactagggtt	4860
tgaattgat	aatgctttca	caacatttgc	agatgtttta	gaaggaaaaa	agttccttcc	4920
taaaataatt	tctctacaat	tgggaagattg	gaagattcag	ctagtttagga	gcccaccttt	4980
tttcctaata	tgtgtgtgcc	ctgtaacctg	actgggttaac	agcagtcctt	tgtaaacagt	5040
gtttttaaact	ctcctagtca	atatccaccc	catccaattt	atcaagggaag	aaatggttca	5100
gaaaatattt	tcagcctaca	gttatgttca	gtcacacaca	catacaaaat	gttccttttg	5160
cttttaaagt	aatttttgac	tcccagatca	gtcagagccc	ctacagcatt	gttaagaaag	5220

tatttgattt ttgtctcaat gaaaataaaa ctatattcat ttcc

5264

<210> 1732
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 250, 317, 344
<223> n = A,T,C or G

<400> 1732
aacacggtga ctattagtaa caatgtattc ttgaaaatct ctaagacagt agattttaag 60
tggtctccct actgctctgt gcctcagttt ccccatccct aaaatggggg taataattgc 120
acctacttca catggttggt gtgaggcttg aataagaata cacgaaaagc acttaagatt 180
agtttggggc aaaataaatg ttaacccttt agtagtgaca actgtaacca cagtttacat 240
tagagcttan tgctaccttg gacagagggg tcctgacatt ctcattattcc cagccccctg 300
ggccactctc agcttgnngt attcccagca gcagtctcca tcanagaaga tggctagtga 360
tgctccctt ttctagaaaa aacaaaacct ggccaggcac gg 402

<210> 1733
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 217, 291
<223> n = A,T,C or G

<400> 1733
tttttttggt cagtatgaca cttacaagat ggccagacta gaggaagcca gaggtgggca 60
tggttaacact actgaaaagt tgggtggtgtg ccatggacaa gggaccgact gcagagtatg 120
tttgctgagg aaaatagagg cgaggataga gcaggcaggg gaagggaaat aagacatgga 180
gataggaggt taaagcagtt gggagtccat acacagncta cccaacttcc tgagaactct 240
tagagaggaa aaggcatcct taggcatcct tcctgtgaag attgcctatt ncgtgatcac 300
gctgagaaga tgggaact 318

<210> 1734
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 341, 413
<223> n = A,T,C or G

<400> 1734
aggaatcaga aatcaaata gccattttca ccattttgtc tgttacacac agacgtgtgt 60
gatctatgga tggctgtgtc tacagtcaca aggtaaaata ctcttcagc tgggttacaa 120

09920300-073101

cagagcagtg ccggctctgg agccaggcgg tctggctctg agtcctgctt cacataaagg 180
 ctatgtgaac ctgggcgcgt tatttaagcc ccgtcctcca cttcccctgc ccatctcatt 240
 aaggattaat gtgagaaatt acacagggtca ctacatgtaa agcatcttta acagtgcctg 300
 gtaactaaca acacttcacc tgtgttacga actactctaa ntaatgggcc aagtcatgag 360
 ctgcacaaag gcccccaaga cccaaacggg tttaatgtta agcaaaatgc cgnctggtct 420
 caggtagaca ctca 434

<210> 1735
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 173, 265, 295, 314, 324, 413, 414, 415
 <223> n = A,T,C or G

<400> 1735
 cagaggcaat tcctttttaat aggatgacaa tcataagaag gaacagttac aattctgaat 60
 atgaaagagc tgtttcttta gtaataaacc aaatacaag ttccgggttc atctgttctg 120
 gctggcaaatt cttgcataaa aaagccatac tttagctaaa caaaagcttt tangctggcc 180
 cagaaagagg gaatgaacaa ttgaaaaaac atcttttatt gcctgagaaa atttaaaaag 240
 tgtctgaaag tgccaggaga cctgnctcaa tgtgactcag gcagctttcc aaagnccctc 300
 agctttccta agtntgagtc atanggggaag gagagagggc tccttggcaa agatacaggt 360
 tttcctctct ggttccaccc ccaccatttt catttaaaaa aaaaaaaaaa aannnn 415

<210> 1736
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 168, 205, 211, 309, 393, 422
 <223> n = A,T,C or G

<400> 1736
 caaagtatcc accttgttgt cttataatca cctatttacc tatttgcctt cctagaaaat 60
 gcaagaagat attttctctc cttccaaatt gaaggaagaa cataaaagat ataacagggg 120
 ggagatggtg agatatagag tatgagcgga gattaggcca gctgtggnaa ttctggacag 180
 atcttgggtt tagctaagtt atttntttta ngcctgggtt tctgggggtg acaggggaaga 240
 taaaagagta gtttattttgc acctcttggg gaattgctta aaaatataga gatcatggct 300
 ctgtatgtna ggtggaacca ggtcaggagt atttgaaact gtcctgggt cattgtgaca 360
 tatecttcac atctttttga gaaactttat aanacaatgg ggggtgaatgg gggctgggca 420
 gntggagtct ctgagcaga 439

<210> 1737
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 162, 230, 277, 300, 322, 347

05920300 "033104

<223> n = A,T,C or G

<400> 1737

```
acagctgacc atcaccgcgtc acacagaaca tcccgtcaca cggaacatct cacctgtcac 60
acagaacatc cctttacccc tcacacggaa catcctgtca cctgctgaca cggaacatcc 120
gatcaccgcgt cacacggaa acatccatcac acagaacatn cnatcacttg tcacatctca 180
cccatcacac ggaacatccc gtcagccatc acatctcacc cgtcacacan aacatccctt 240
caccatcac atggaacatc ccatcaccca tcacatntta cccgtcacat ggaacatccn 300
ttcacccatc acatggaaca tncgcgtcatc tgctcacatg gaacatncca tcaccatca 360
c 361
```

<210> 1738

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 1738

```
cggatcgag ctctcgcggc agtcgcctga gacttaaggt tattgcttgg ccgcggcctg 60
gtattccggc gattcggttc ttgctcggt tcttgagct gtggtccgtg tgggcttcca 120
cctcagacag ttgcgctggc tcagcggggc cggaacatgg ctgctgctgg tctggatcat 180
ctcaaaaatg gctacagaag aagattttgt cgaccttcca gggcacgtga cattaacaca 240
gagcaaggcc agaattgtct ggaaatctta caagactgtt ttgaagaaaa aagtcttgcc 300
aatgatttta gtacaaattc tacaaaatca gtgcctaatt caacacgcaa aataaaagac 360
acttgatttc agtcaccaag caaagagtgc cagaaatcac atccaaagtc agttccagtt 420
tcttcaaaga agaaagaagc ctctctacag tttgtttagt aaccaagtga agccacaaac 480
agatcagttc aggcccatga agttcatcag aaaattctgg caactgatgt tagttccaaa 540
aatacacctg actcgaaaaa aatatcaagt agaaacataa atgatcatca cagtgaagct 600
gatgaagaat ttactttatc cgttggctca ccttctgttc ttttggtatg aaaaacatct 660
gtatcacaaa atgttatttc atctagtgcc aaaaagagag agacttacac ttttgaaaat 720
tcagtaata tgctgccttc aagtacagag gtttcagtta aaacaaaaaa aagggttaac 780
tttgatgata aagttatgtt aaagaaaaa gaaatagata ataaagtatc agatgaagag 840
gataaaacat cggaaggaca agaaagaaaa ccatcaggat catctcagaa tagaatacga 900
gattcagaat atgaaattca acgacaagct aaaaaaagtt tttcaacatt gtttttagaa 960
acagtaaaac gaaaaagtga atccagtcctc attgttaggc atgcggcaac tgctccacct 1020
cattcggtgc ctcccgatga tacgaagttg atagaggatg aatttataat tgatgagtcg 1080
gatcaaagtt ttgccagtag atcttggatt acaataccaa gaaaggcagg gtctctgaaa 1140
caacgcacaa tatccccggc tgagagcact gcactctttc aaggtagaaa gtcaagagaa 1200
aagcatcata atatattacc taagactttg gcaaatgaca aacattccca taaacctcac 1260
ccagtagaga catctcagcc ctctgataaa acagtactgg atacaagtta tgctttgata 1320
gatgaaacag taaataatta tagatctaca aaatatgaaa tgtattccaa gaatgcagaa 1380
aaacatcta gaagcaaaag gactataaaa caaaaacaga gaagaaaatt catggctaaa 1440
ccagctgaag aacagcttga tgtgggacag tctaaagatg aaaacataca tacatcacat 1500
attaccaag acgaatttca aagaaattca gacagaaata tggagagca tgaagagatg 1560
ggaaatgatt gtgttttcaa aaaacagatg ccacctgtgg gaagcaagaa aagtagcact 1620
agaaaagata aggaagaatc taaaaagaag cgcttttcca gtgagtcaa gaacaaactt 1680
gtacctgaag aagtgacttc aactgtcacg aaaagtcgaa gaatttccag gcgtccatct 1740
gattggtggg tggtaaaatc agaggagagt cctgtttata gcaattcttc agtaagaaat 1800
gaattaccaa tgcatacaa tagtagccga aaatctacta agaaaacaaa tcagtcatct 1860
aagaatatta ggaaaaaac tattccactt aaaaggcaga agacagcaac taaaggcaac 1920
caaagagtac agaagttttt aaatgctgaa ggttctggag gtatcgttgg tcatgatgaa 1980
atttccagat gttcactgag tgagccattg gaaagtgatg aggcagactt ggctaagaag 2040
aaaaatcttg attgttctag atctacaaga agctcaaaga atgaagataa cattatgact 2100
gcacagaatg ttccccataa gcctcagacc agtggatata catgtaatat accaacagag 2160
tcaaacttgg attctggaga gcataagact tcagttttag aggaaagtgg accttccagg 2220
```

09920300.073101

```

ctcaataata attatttaaat gtctggaaag aatgatgtgg atgatgagga agttcatgga 2280
agttcagatg actcaaaaca atctaaagtg ataccaaaga acagaatcca tcacaaacta 2340
gtattgccct ccaacacacc aaatgttcgc aggaccaaga gaacacgttt gaaacctttg 2400
gagtactggc gaggagagcg aatagattat caaggaaggc catcaggagg attcgtgatt 2460
agtggagtac tatctccaga cacaatatcg tctaaaagga aggcaaaaga aaatattgga 2520
aaagtcaaca aaaaatctaa taagaaaagg atctgtcttg ataacgatga aagaaagact 2580
aacttaatgg taaatctagg tatacctctt ggagatcctt tgcagccaac gagggtaaaag 2640
gacccagaaa caagagagat tattctcatg gatcttgtaa ggccacaaga tacatatcaa 2700
ttttttgtta agcatggtga gttgaaggta tacaagacat tggatacacc ctttttttct 2760
actgggaaat tgatattagg accacaagaa gaaaagggaa agcagcatgt tggccaggat 2820
atattggttt tttatgttaa ctttgggtgac cttttgtgta ctttacatga aacaccttat 2880
atattaagta ctggggattc gttctatgtt ctttcaggta actattataa catcaaaaat 2940
ctccggaatg aggaaagtgt tcttcttttt actcagataa aaagatgaaa gatcaaccaa 3000
ccttaaatat atgtatgtat atatgtatat gtaaaaacag tttgtatagt tggaatattt 3060
gtctttgtta ttacttgtga tgttttaaaa taaaaatttt attcagtttt gtgtaaaaaa 3120
aaaaaaaaaa aa 3132

```

```

<210> 1739
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 1739
acaaaagggtc accaaagtta acataaaaaa ccaatatatc ctggccaaca tgctgctttc 60
ccttttcttc ttgtggtoct aatatcaatt tcccagtaga aaaaaagggt gtatccaatg 120
tcttgataac cttcaactca ccatgcttaa caaaaaattg atatgtatct tgtggcctta 180
caagatccat gagaataatc tctcttgttt ctgggt 216

```

```

<210> 1740
<211> 3302
<212> DNA
<213> Homo sapiens

```

```

<400> 1740
cggcatcctg tgctgtgggg gctacgagga aagatctaata tatcatggac ctgcgacagt 60
ttcttatgtg cctgtccctg tgcacagcct ttgccttgag caaaccaca gaaaagaagg 120
accgtgtaca tcatgagcct cagctcagtg acaaggttca caatgatgct cagagttttg 180
attatgacca tgatgccttc ttgggtgctg aagaagcaaa gacctttgat cagctgacac 240
cagaagagag caaggaaagg cttggaaaga ttgtaagtaa aatagatggc gacaaggacg 300
ggtttgtcac tgtggatgag ctcaaagact ggattaaatt tgcacaaaag cgctggattt 360
acgaggatgt agagcgacag tggaaagggc atgacctcaa tgaggacggc ctcgtttctt 420
gggaggagta taaaaatgcc acctacggct acgtttttaga tgatccagat cctgatgatg 480
gatttaacta taacacagat atggttagag atgagcggag gtttaaaatg gcagacaagg 540
atggagacct cattgccacc aaggaggagt tcacagcttt cctgcacctt gaggagtatg 600
actacatgaa agatatagta gtacaggaaa caatggaaga tatagataag aatgctgatg 660
gtttcattga tctagaagag tatattggtg acatgtacag ccatgatggg aatactgatg 720
agccagaatg ggtaaagaca gagcgagagc agtttgttga gtttcgggat aagaaccgtg 780
atgggaagat ggacaaggaa gagaccaaaag actggatcct tccctcagac tatgcatg 840
cagaggcaga agccaggcac ctggtctatg aatcagacca aaacaaggat ggcaagctta 900
ccaaggagga gatcgttgac aagtatgact tatttgttgg cagccaggcc acagattttg 960
gggaggcctt agtacggcat gatgagttct gagctgoggg ggaacctca tttcctcaaa 1020
agtaatttat ttttacagct tctggtttca catgaaattg tttgcgctac tgagactgtt 1080
actacaaact ttttaagaca tgaaaaggcg taatgaaaac catcccgtcc ccattcctcc 1140
tcctctctga gggactggag ggaagccgtg cttctgagga acaactctaa ttagtacact 1200

```

05920300.073104

tgtgtttgta gatttacact ttgtattatg tattaacatg gcgtgtttat ttttgtat 1260
 ttctctggtt gggagtatga tatgaaggat caagatcctc cactcacaca tgtagacaaa 1320
 cattagctct ttactctttc tcaaccctt atatgatttt aataattctc acttcactaa 1380
 ttttgtaagc ctgagatcaa taagaaatgt tcaggagaga ggaaagaaaa aatataatg 1440
 ctccacaatt tataatttaga gagagaacac ttagtcttgc ctgtcaaaaa gtccaacatt 1500
 tcataggtag taggggccac atattacatt cagttgctat aggtccagca actgaacctg 1560
 ccattacctg ggcaaggaaa gatccctttg ctctaggaaa gcttggccca aattgatttt 1620
 cttctttttc cccctgtagg actgactgtt ggctaatttt gtcaagcaca gctgtggtgg 1680
 gaagagttag ggccagtgtc ttgaaaatca atcaagtagt gaatgtgatc tctttgcaga 1740
 gctatagata gaaacagctg gaaaactaaa ggaaaaatac aaatgttttc ggggcataca 1800
 ttttttttct ggggtgtgcat ctgttgaaat gctcaagact taattatttg ccttttgaaa 1860
 tcactgtaaa tgcccccatc cggttcctct tcttcccagg tgtgccaaagg aattaatctt 1920
 ggtttcacta caattaaaat tcactccttt ccaatcatgt cattgaaagt gcctttaacg 1980
 aaagaaatgg tcactgaatg ggaattctct taagaaacc tgagattaaa aaaagactat 2040
 ttggataact tataggaaag cctagaacct ccagtagag tggggatttt tttcttcttc 2100
 cctttctctt ttggacaata gttaaattag cagtattagt tatgagtttg gttgcagtgt 2160
 tcttatcttg tgggctgatt tccaaaaacc acatgctgct gaatttacca gggatcctca 2220
 tacctacaa tgcaaaccac ttactaccag gcctttttct gtgtccactg gagagcttga 2280
 gctcacactc aaagatcaga ggacctacag agagggtctt ttggtttgag gaccatggct 2340
 tacctttcct gcctttgacc catcacacc catttctctc tctttccctc tccccgctgc 2400
 caaaaaaaaa aaaaaggaaa cgtttatcat gaatcaacag ggtttcagtc cttatcaaag 2460
 agagatgtgg aaagagctaa agaaaccacc cttgttccc aactccactt taccatatt 2520
 ttatgcaaca caaacactgt ccttttgggg ccctttctta cagatggacc tcttgagaag 2580
 aattatcgta ttccacgttt ttagccctca ggttaccaag ataaatatat gtatatataa 2640
 cctttattat tgctatatct ttgtggataa tacattcagg tgggtgctggg tgatttatta 2700
 taatctgaac ctaggtatat cctttgggtc tccacagtca tgttgagggt ggctccctgg 2760
 tatggtaaaa agccagggtat aatgtaact caccacagcc ttgtactaa gctcttgata 2820
 gtggatatac tcttttaagt ttagcccaa tatagggtaa tggaaatttc ctgccctctg 2880
 gggtcccatc ttttactatt aagaagacca gtgataattt aataatgcca ccaactctgg 2940
 cttagttaag tgagagtgtg aactgtgtgg caagagagcc tcacacctca ctagggtcag 3000
 agagcccagg ccttatgtta aaatcatgca cttgaaaagc aaaccttaat ctgcaaagac 3060
 agcagcaagc attatacggc catcttgaat gatccctttg aaattttttt tttgtttgtt 3120
 tgtttaaatc aagcctgagg ctggtgaaca gtagctacac acccatattg tgtgttctgt 3180
 gaatgctagc tctcttgaat ttggatattg gttatttttt atagagtgtg aaccaagttt 3240
 tatattctgc aatgcgaaca ggtacctatc tgtttctaaa taaaactgtt tacattcaaa 3300
 aa 3302

<210> 1741
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 22, 237, 298
 <223> n = A,T,C or G

<400> 1741
 caaaggctgg ggngaagtta cnttatacct ggctttttac cataaccagg agcccacctc 60
 aacatgactg tggaagacca aaggatatac ctaggttcag attataataa atcaccacgc 120
 accacctgaa tgtattatcc acaaagatat agcaataata aaggttatat atacatatat 180
 ttatcttggg aacctgaggg ctaaaaacgt ggaatacgat aattcttctc aagaggncca 240
 tctgtaagaa agggacccaa aaggacagcg tttgtgttgc ataaaatatg ggtaaagngg 300
 agttgggaac aaaggg 316

<210> 1742
 <211> 400
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 198, 200, 203, 305, 328, 329, 356, 374
 <223> n = A,T,C or G

<400> 1742
 agacaggcag gctcccagtg tgagaagtgc ctttaggaca agtagaactg cacacataga 60
 tgcaaatgcc tgggcctttc ttcagggttct gtcatagaac agactgcctg aggccatgct 120
 caggactgcg ggcctcagaa acccagcact tgcccctgct ctgtctttct gctcccagca 180
 gctgaattct agggaaangn ctntccgtca cccacccccg agacagacct gccaaagcttc 240
 tggctttcag attctctgcc acatgactga ggtcccatca gcccttttcc ccaatatgag 300
 aatancctgt tccagccctc cacgtgcnnc agggcatggg gatcagctgg aaaggntgct 360
 acacctgtat gctntcctgc tccctaaacc tgccctcagaa 400

<210> 1743
 <211> 842
 <212> DNA
 <213> Homo sapiens

<400> 1743
 ttcacttctg atgaggaagc ctctctcctt agccttcagc ctttcctccc accctgccat 60
 aagtaatttg atcctcaaga agttaaacca cacctcattg gtccctggct aattcaccaa 120
 tttaaaaca gcaggaaata gaaacttaag agaaatacac acttctgaga aactgaaacg 180
 acaggggaaa ggaggtctca ctgagcaccg tcccagcatc cggacaccac agcggccctt 240
 cgctccacgc agaaaaccac acttctcaaa cttcactca acacttcctt ccccaaagcc 300
 agaagatgca caaggaggaa catgaggtgg ctgtgctggg ggcacccccc agcaccatcc 360
 ttccaaggtc caccgtgatc aacatccaca gcgagacctc cgtgcccagc catgtcgtct 420
 ggtccctgtt caacaccctc ttcttgaact ggtgctgtct gggcttcata gcattcgctt 480
 actccgtgaa gtctagggac aggaagatgg ttggcgacgt gaccggggcc caggcctatg 540
 cctccaccgc caagtgcctg aacatctggg cctgattctt gggcatcctc atgaccattg 600
 gattcatcct gtcactggta ttcggtctct tgacagtcta ccatattatg ttacagataa 660
 tacaggaaaa acgggggttac tagtagccgc ccatagcctg caacctttgc actccactgt 720
 gcaatgctgg cctgacacgc tggggctgtt gccctgccc ccttggctct gccctagat 780
 acagcagttt ataccacac accctgtctac agtgtcattc aataaagtgc acgtgcttgt 840
 ga 842

<210> 1744
 <211> 316
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 34, 66, 71, 92, 99, 157, 171, 183, 218, 273, 290
 <223> n = A,T,C or G

<400> 1744
 cacttgtcaa accttcactc aacatttgct tccnaagcc agaagatgca caaggaggaa 60

09920300.073101

```

catgangtgg ntgtgctggg ggcaccccc ancaccatnc ttccaaggtc caccgtgatc 120
aacatccaca gcgagacctc cgtgcccgc catgtantct ggtccctgtt naacaccctc 180
ttnttgaact ggtgctgtct gggcttcata gcattcgnct actccgtgaa gtctagggac 240
aggaagatgg atggtgacgt gaccggggcc cangcctatg cctccaccgn caagtgcctg 300
aacatctggg ccctga 316

```

```

<210> 1745
<211> 1898
<212> DNA
<213> Homo sapiens

```

```

<400> 1745
gctcctagta ggtgctggtg aatctggagg tagctacggg atcagggacc agcagtgaag 60
agtgtacaaa ctgtatgtgt gtttggattc tgccctgtca actacctgca tgtggcctca 120
gggtaccatca tccaaaaaca ttgtggctac atgtagatca tgtgcacgtg tttacgaaac 180
cattcccat agccatagcc acaggcctca gtcgattggg ccagaagggtg cccccactat 240
tggcgaggaa cttagcttca gaattcacc taagggtccc ttagtcccca tccccaccac 300
acccccaggt cttgccagag ccacctctcc ccacatgacc cccaagaaa gacagccctg 360
tattctaact caacctgcag catgccccgc actgccttat aagacagttg aggagcggac 420
atcagaacca cctctgaagc cctttgttct tttttttcta ggtacaggca ccaacctctt 480
tgcacagtga gcagcaggac tcgctacttc tctccacctc ctcaaacag ccagggaccc 540
tgggctaccc ccaaccaccc ccagcacagc ccagccctc acgtcctccc cgaagggtca 600
gcagtctgtc tgagtcgtca ggcctccagc agccgccccg ataatgcccc ggcactgaag 660
tcgggacaca atcagcttta accaatggat gaggggggtg gccacaggag atggggagag 720
gagtcctgaac taaacccctg gcttttgtgc acactgcata cgtttcagaa ctccctggatg 780
gtaaccatct ctggagtga gcgcttgctg cagtggaaat gatcaggaat actgaccgtg 840
tttctcttgc ctccgaggtt cttgggcaca ctctatagcc atactggaca ggaaccaggt 900
gccccgtgta ggcacgtcgt gtcggtttgc cgtcagagat ggcgcatctc gctgcacccc 960
ccgagagtac accggttgct ctagccacct gcggccccgc catctgcgtt agctggcctt 1020
cacgctcttg atcgtctttc ctttgtattg gagaaggact gggtcagaga tctgttggag 1080
agagagaata aagagattat ttttcattat ttttaaatgg ttgttttgt ttaatttgc 1140
acagctacac agaggaaata acttaggcac tttctgtttt ttttaaaaaa ataataaggt 1200
ctcatggctt catttagaga ccacagtaac aacagcagcc caccaatcag agaagctggt 1260
tggtattaac caagctacag attcacactt tctggcctaa accctaattg gatgaggctt 1320
ttcaccccag gccatgctgg tgggtgattt ttagccctca aataaaacac tggactattt 1380
cctgtttact tcattgattg caactacaaa ggtggactca aagcaaagca caatcatgcc 1440
agccaacatt ccagaattct gctgagaact ccaagtctgt gaggggagag gttttacaag 1500
ccagacaggc ctgggggact gcagtcccca aggagaccct gccacatgct ggccctttga 1560
gtgagaatgc tgcacttttc tacatatctt catgagaata ctgagaattg gattttcctt 1620
ttcaaaatgc actttgcttt ttttgtatgt tttgttatgt tgagatgttt ctaaagaaaa 1680
gattttatgt aattataaga tgaagcgtag tgaattgtac agctgttgta ataataacct 1740
atttctatat aaaataaaat tgtatggctt atgtgtaaat tattttgtat ctgagatacc 1800
agttcctttt cccaaatata aaagtataaa agttttcttg tgtttttctg tgagtgaaga 1860
ttttgtaata aattaaccaa ttgaaaaaaa aaaaaaaa 1898

```

```

<210> 1746
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 49, 151, 178, 180, 275
<223> n = A,T,C or G

```

<400> 1746

```

tggaatgttg gctggcatga ttgtgctttg ctttgagtcc acctttgtng ttgcaatcaa 60
tgaagtaaac aggaaatagt ccagtgtttt atttaggggc taaaaaatca ccaccaacat 120
ggcctggggg tgaaaagcct catcccatta nggtttacgc cagaaagtgt gaatctgnan 180
cttggttaat aacaaccaac ttctctgatt ggtgggctgc tgttggtact gtggcctctg 240
aatgaagcca tgagacctta ttatTTTTTT acctn 275

```

<210> 1747

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 223, 323

<223> n = A,T,C or G

<400> 1747

```

tcccaggcgg tcccacagaa cagcagtgcc tcccgaaatt cttcactaca gacctgctac 60
cgcccttcagc atgctaattg tgcattggtg ggtggctcag agacctggca cagctctgct 120
cacctttcca acaacatcat acccagcact tcacaaaata tcatagagaa acccttttac 180
tttaaagcac acagcatttc actcttgaaa agcactaaat canttctgtg gggacaaaca 240
tttacaccat gctgcccatt catgcccgcc ttacctttat gggtttctct cacatgtttc 300
agaagtcccg tccatgtttt tgnccacaaag gaacatcctt tttgacatac atagcctatt 360
aaaaaaat 368

```

<210> 1748

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1748

```

aagccacctc aagtggacaa ggcacttacc aacagagatt gctgatttgc tccttaagca 60
agagattcac tgccgctaag catggctcag accaactcgt tcttcattgct gatctcctcc 120
ctgatgttcc tgtctctgag ccaaggccag gagtcccaga cagagctgcc taatccccga 180
atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaagac 240
cctgagacct gggttgatgc agatctctat tgccagaaca tgaattcagg caacctgggtg 300
tctgtgctca ccaggcgga ggggtgcctc gtggcctcac tgattaagga gagtagcact 360
gatgacagca atgtctggat tggcctccat gacccaaaaa agaaccgccc ctggcactgg 420
agtagtgggt ccctgggtct ctacaagtcc tgggacactg gatccccgag cagtgtctaat 480
gctggctact gtgcaagcct gacttcatgc tcaggattca agaaatggaa ggatgaatct 540
tgtgagaaga agttctcctt tgtttgcaag ttcaaaaact agaggaagct gaaaaatgga 600
tgtctagaac tggctctgca attactatga agtcaaaaat taaactagac tatgtctcca 660
actcagttca gaccatctcc tccctaataga gtttgcatcg ctgatcttca gtaccttcac 720
ctgtctcagt ctctagagcc ctgaaaaata aaaacaaact tattttt 767

```

<210> 1749

<211> 595

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

05920300.023104

<222> 317, 530, 534, 552, 571, 582, 591

<223> n = A,T,C or G

<400> 1749

```
gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagccac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gagggcccaga cagagttgcc ccaggcccgg 240
atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaagac 300
cgtgagacct gggttgntgc agatctctat tgccagaaca tgaattcggg caacctgggtg 360
tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccg ctggcactgg 480
agcagtgggt ccctgggtctc ctacaagtcc tggggcattg gagccccaan cagngttaat 540
cctggctact gngtgagcct gacctcaagc ncaggattcc anaaatggaa ngatg 595
```

<210> 1750

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 204, 221, 237, 254, 259, 287, 370, 406, 411, 415, 507, 521

<223> n = A,T,C or G

<400> 1750

```
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttccct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caanattcat ccttccattt nttgaatcct gagcatnaag 240
tcaggcgttg ccntatanc cagcattagc actgctcggg gatccantgt cccaggactt 300
gtaggagacc agggaccgac tactccagtg ccagcggcggg ttcttttttg ggtcatggag 360
gccaatccan acattgctgc catcagtgct acgctcctta atcagngagg ncacnaacgc 420
accctccgcc tgggtgagca cagacaccag gttgcctgaa ttcattgttct ggcaatagag 480
atctagcatc aaccagggtc tcagggnctt cattaaagta ntagcagtag gagcgatagg 540
cattgg 546
```

<210> 1751

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 369, 406, 415, 433, 450, 460, 464

<223> n = A,T,C or G

<400> 1751

```
gcccttaccg acgtcgacta tncaagatgt actggagatc agcgatgcaa actcattagg 60
gaggagatgg tcttgaactg agttggagac atagtctagt ttaatttttg acttcatagt 120
aattgcagga ccagttctag acatccattt ttacgcttcc tctagttttt gaacttgcaa 180
acaaaggaga acttcttctc acaagattca tcttccattt tcttgaatcc tgagcatgga 240
gtcaggcttg cacagtagcc agcattagca ctgctcgggg atccagtgtc ccaggacttg 300
taggagacca gggaccact actccagtgc cagcggcggg tcttttttgg gtcattggagg 360
```

05920300 "03401

ccaatccana cattgctgtc atcagtgtc cttgtcctta atcagngagg ccacnaagca 420
ccctcccctg ggngaggaca gacaccaggn gtgcctgaan ttant 465

<210> 1752
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 344, 376, 400, 407, 415, 426
<223> n = A,T,C or G

<400> 1752
gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
acagagattg ttgatttgcc tcttaagcaa gagattcatt gcagctcagc atggctcaga 120
ccagctcata cttcatgctg atctcctgcc tgatgtttct gtctcagagc caaggccaag 180
aggcccagac agagttgccc caggcccgga tcagctgccc agaaggcacc aatgcctatc 240
gtcctactg ctactacttt aatgaagacc gtgagacctg ggttgatgca gatctctatt 300
gccagaacat gaattcgggc aacctgggtg ctgtgctcac ccangccgag ggtgcctttg 360
tggcctcctg attaangagg agtggcactt gatgacttcn atgtctngga ttggnctcca 420
tgaccncaaa aaga 434

<210> 1753
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 478
<223> n = A,T,C or G

<400> 1753
gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttctttctca caagattcat cttccatttt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggaccocacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccacac attgctgtca tcagtgtctac tctccttaat cagtgaggcc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccaggt tgccctgaatt catgtttctgg caataganat 480
ctgcatcaac ccagggtctca gggctttcat taaagta 517

<210> 1754
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 24, 454
<223> n = A,T,C or G

05920300.03404

<400> 1754

```

gcccttaccg acgtcgacta tccnagatgt acgcggggga agaagccaac tcagactcag 60
ccaacagaga ttgttgattt gcctcttaag caagagattc attgcagctc agcatggctc 120
agaccagctc atacttcatg ctgatctcct gcctgatgtt tctgtctcag agccaaggcc 180
aagaggccca gacagagttg ccccaggccc ggatcagctg ccagagaaggc accaatgcct 240
atcgctccta ctgctactac tttaatgaag accgtgagac ctggggtgat gcagatctct 300
attgccagaa catgaattcg ggcaacctgg tgtctgtgct caccagggcc gaggggtgcct 360
ttgtggcctc actgatgaag gagagtggca ctgatgactt caatgtctgg attggcctcc 420
atgaccccaa aaagaaccgc cgctggcact ggancagtgg gtccctggtc tcctacaag 479

```

<210> 1755

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 353, 413, 469, 473

<223> n = A,T,C or G

<400> 1755

```

gcccttaccg acgtcgacta tncaagatgt acgcggggga agccaactca gactcagcca 60
acagagattg ttgatttgcc tcttaagcaa gagattcatt gcagctcagc atgggtcaga 120
ccagctcata ctcatgctg atctcctgcc tgatgtttct gtctcagagc caaggccaag 180
aggcccagac agagtgtgcc caggcccggga tcagctgccc agaaggcacc aatgcctatc 240
gtcctactg ctactacttt aatgaagacc gtgagacctg ggttgatgca gatctctatt 300
gccagaacat gaattcgggc aacctgggtg ctgtgctcac ccaggccgag ggngcctttg 360
tggcctcact gattaaggag agtggcactg atgacttcaa tgtctggatt ggnctccatg 420
accccaaaaa gaaccgccgc tggcactgga gcagtgggtc cctgggtctnc tanaagtact 480
ggggcattgg agccccaa

```

<210> 1756

<211> 593

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 377, 467, 469, 576

<223> n = A,T,C or G

<400> 1756

```

gcccttaccg acgtcgacta tccaagatgt acgggggacaa ggcacttacc aacagagatt 60
gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240
gctactactt taatgaagac cctgagacct gggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctgggtg tctgtgctca cccatgcgga ggggtgccttc gtggcctcac 360
tgattaagga gagtagnact gatgacagca atgtctggat tggcctccat gacccaaaaa 420
agaaccgccg ctggcactgg agtagtgggt ccctgggtctc ctacaantnc tgggacactg 480
gatccccgag cagtgtctaat gctggctact gtgcaagcct gacttcatgc tcaggattca 540
agaaatggaa ggatgaatct tgtgagaaga attctncttt gtttgcaagt tcc 593

```

<210> 1757

09920300 073104

<211> 123
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 23, 34, 45, 54, 75, 100
 <223> n = A,T,C or G

<400> 1757
 catcgtctgg aactgatttg ganacattgt ctantttaat ttttnacttc atantaattg 60
 caggaccagt tctanacatc catttttcaa ctctctctan tttttgaact tgcaaacaaa 120
 gga 123

<210> 1758
 <211> 331
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 285, 305
 <223> n = A,T,C or G

<400> 1758
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttctt ctagtttttg aacttgcaaa 180
 caaaggagaa ctctcttctca caagattcat ccttccattt ctggaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccantgtcc caggacttgt 300
 agganaccag ggacccacta ctccagtgcc a 331

<210> 1759
 <211> 642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 476, 534, 536, 569, 613, 630
 <223> n = A,T,C or G

<400> 1759
 gcccttaccg acgtcgacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
 ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
 agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
 ctgatgtttc tgtctcagag ccaaggccaa gagggccaga cagagttgcc ccaggcccgg 240
 atcagctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatggagac 300
 cgtgagacct gggttgatgc agatctctat tgccagaaca tgaattcggg caacctggtg 360
 tctgtgctca cccaggccga ggggtgccttt gtggcctcac tgattaagga gagtggcact 420
 gatgacttca atgtctggat tggcctccat gaccccaaaa agaaccgccg ctggcnctgg 480
 agcagtgggt ccttgggtctc ctacaagtcc tggggcattg gagccccaag cagnngntaat 540
 cctggctact gtgtgagcct gacatcaanc acagggattc cagaaatgga aagatgtgcc 600
 ttgtgaagac aanaactcct ttgtctgcan gttcaaaaac ta 642

09520300 073404

<210> 1760
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 339, 438, 439
 <223> n = A,T,C or G

<400> 1760
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtTTTTg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcgggggnt ctttttggg tcatggaggc 360
 caatccaaac attgctgtca tcagtgtctac tctccttaat caagggaggg cacgaaggca 420
 ccctccgcct gggtgagnnc agacaccaag ttgcctgaat tcatgttctg g 471

<210> 1761
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 25, 190, 415, 422, 444
 <223> n = A,T,C or G

<400> 1761
 gcccttaccg acgtcgacta tccangatgt acgcggggga gaagccaact cagactcagc 60
 caacagagat tgttgatttg cctcttaagc aagagattca ttgcagctca gcatggctca 120
 gaccagctca tacttcatgc tgatctcctg cctgatgttt ctgtctcaga gccaggcca 180
 agaggcccan acagagttgc cccaggcccg gatcagctgc ccagaaggca ccaatgccta 240
 tcgctcctac tgctactact ttaatgaaga ccgtgagacc tgggttgatg cagatctcta 300
 ttgccagaac atgaattcgg gcaacctggg gtctgtgctc acccacgccg aggggtgcctt 360
 tgtggcctca ctgattaagg agagaggcac tgatgacttc aatgtctgga ttggnctcca 420
 tnaccccaaa aagaaccgcc gctngcactg gagcagtggg t 461

<210> 1762
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 336, 372
 <223> n = A,T,C or G

<400> 1762
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120

US950300 "03404

```
<210> 1763
<211> 333
<212> DNA
<213> Homo sapiens
```

```
<400> 1763
gcccttaccg  acgtcgacta  tncaagatgt  actgaagatc  agcgatgcaa  actcattagg  60
gaggagatgg  tctgaactga  gttggagaca  tagtctagtt  taatttttga  cttcatagta  120
attgcaggac  cagttctaga  catccatttt  tcagcttcct  ctagtttttg  aacttgcaaa  180
caaaggagaa  cttcttctca  caagattcat  ccttccattt  cttgaatcct  gagcatgaag  240
tcaggcttgc  acagtagcca  gcattancac  tgctcgggga  tccagtgtcc  caagacttgt  300
aggagaccag  qgaccacta  ctccagtgcc  agg                                     333
```

```
<210> 1764
<211> 492
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> 404, 409, 475, 477  
<223> n = A,T,C or G
```

<400> 1764						
gcccttaccg	acgtcgacta	tccaagatgt	actgaagatc	agcgatgcaa	actcattagg	60
gaggagatgg	tctgaactga	gttggagaca	tagtctagtt	taattttttga	cttcatagta	120
attgcaggac	cagttctaga	catccatttt	tcagcttcct	ctagtttttg	aacttgcaaa	180
caaaggagaa	cttcttctca	caagattcat	ccttccattt	cttgaatcct	gagcatgaag	240
tcaggcttgc	acagtagcca	gcattagcac	tgctcgggga	tccagtgtcc	caggacttgt	300
aggagaccag	ggacccta	ctccagtgc	agcggcggtt	cttttttggg	tcattggaggc	360
caatccagac	attgctgtca	tcagtgtac	tctccttaat	cagnaggnc	acgaaggcac	420
cctccgctgg	gtgagcacag	acaccaggtt	gcctgaattc	atgttctggc	aatananatc	480
tqcatcaacc	ca					492

```
<210> 1765
<211> 406
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 205, 381, 388
<223> n = A,T,C or G
```

<400> 1765

```

gcccttaccg acgtcgacta tccaagatgt acggggacaa ggcacttacc aacagagatt 60
gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcanctgcc cagaaggcac caatgcctat cgctcctact 240
gctactactt taatgaagac cctgagacct ggggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctgggtg tctgtgctca cccatgcgga ggggtgccttc gtggcctcac 360
tgattaagga gagtagcact natgacanca atgtctggat tggcct 406

```

<210> 1766

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 368, 427, 448

<223> n = A,T,C or G

<400> 1766

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccanac attgctgtca tcagtgtctac tctccttaat cagtgaggcc acgaaggcac 420
cctccgncgt ggtgagcaca gacaccangg tgccctgaatt catgttcttg caatagagat 480
ctgcatcacc cacg 494

```

<210> 1767

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 22, 409, 494, 515, 518, 527, 558, 559

<223> n = A,T,C or G

<400> 1767

```

gcccttaccg acgtcgacta tncaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg gacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccagac attgctgtca tcagtgtctac tctccttaat cagtgaggnc acgaaggcac 420
cctccgcctg ggtgagcaca gacaccaggt tgccctgaatt catgttcttg caatagagat 480
ctgcatcaac ccangtctca gggcttccat taaantanta gcagtangag cgataggcat 540
tggtgccttc tgggcagnnt gattccggg 569

```

<210> 1768

05520300.073101

<211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 347
 <223> n = A,T,C or G

<400> 1768
 gcccttaccg acgtcgacta tccaagatgt accgggggat ataaagctcc cacagccacc 60
 tggcctgaga agccaactca gactcagcca acagagattg ttgatttgcc tcttaagcaa 120
 gagattcatt gcagctcagc atggctcaga ccagctcata ctcatgctg atctcctgcc 180
 tgatgtttct gtctcagagc caaggccaag aggccagac agagttgccc caggcccgga 240
 tcagctgccc agaaggcacc aatgcctatc gctcctactg ctactacttt aatgaagacc 300
 gtgagacctg gggtgatgca gatctctatt gccagaacat gaattcnggc aacctgggtg 360
 ctgtgctcac ccacgccgag ggtgcctttg tggctcactg attaaggaga g 411

<210> 1769
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 93, 106, 175
 <223> n = A,T,C or G

<400> 1769
 gcccttaccg acgtcgacta tccaanatgt acgggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tcttaagca agagattcac tgnccgtaag catggnccag accaactcgt 120
 tcttcattgct gatctcccc ctgatgttcc tgtctctgag ccaaggccag gagtnccaga 180
 cagagctgcc taatcccc 198

<210> 1770
 <211> 406
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 241, 313, 342, 360, 379, 390
 <223> n = A,T,C or G

<400> 1770
 atgtcctgaa gatcagcgat gcaaactcat tagggaggag atggtctgaa ctgagttgga 60
 gacatagtct agtttaattt ttgacttcat agtaattgca ggaccagttc tagacatcca 120
 tttttcagct tctctagtt ttggaacttg caaacaagg agaacttctt ctcaacagat 180
 tcatccttcc atttcttgaa tcttgagcat gaagtcaggc ttgcacagta gccagcatta 240
 nactgctcg gggatccagt gtcccaggac ttgtaggaga ccagggaccc actactccag 300
 tgccagcggc ggntcttttt tgggtcatgg aggccaatcc anacattgct gtcacagan 360
 gctactctcc ttaatcagng aggccacgan ggcacctcc gcctgg 406

<210> 1771

05520300.073404

<211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 348, 353, 397, 469, 471, 504, 536
 <223> n = A,T,C or G

<400> 1771
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
 ttgctgattt gtcctttaag caagagattc actgccgcta agtatggctc agaccaactc 120
 gttcttcatg ctgatctcct cctgatgtt cctgtctctg agccaaggcc aggagtcca 180
 gacagagctg cctaattccc gaatcagctg cccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gaggggtgnt tcntggcctc 360
 actgattaag gagagtagcg ctgatgacag caatgtntgg attggcctcc atgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggct tcctacaant nctgggacac 480
 tggatccccg agcagtgcta atgntggcta ctgtgcaagc ctgacttcat gctcangatt 540
 caagaaatgg aaaggatgaa t 561

<210> 1772
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 204, 282, 333, 378
 <223> n = A,T,C or G

<400> 1772
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaggagaaa cttcttctca caanattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tncagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agnggcgggt cttttttggg tcatggaggc 360
 caatccacac attgctgnca tcagtgtctac t 391

<210> 1773
 <211> 563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 396, 405, 468, 469, 499, 535, 552
 <223> n = A,T,C or G

<400> 1773
 gcccttaccg acgtcgacta tccaagatgt acgcgggaca aggcacttac caacagagat 60
 tgctgacttg ctcccttaagc aagagattca ctgccgctaa gcatggctca gaccaactcg 120
 ttcttcatgc tgatctcctc cctgatgttc ctgtctctga gccaaaggcca ggagtccag 180

acagagctgc ctaatccccg aatcagctgc ccagaaggca ccaatgccta tcgctcctac 240
 tgctactact ttaatgaaga ccctgagacc tgggttgatg cagatctcta ttgccagaac 300
 atgaattcag gcaacctggt gtctgtgctc acccaggcgg agggcgcctt cgtggcctca 360
 ctgattaagg agagtagcac tgatgacagc aatgtntgga ttggnctcca tgacccaaaa 420
 aagaaccgcc gctggcactg gagtagtggg tccctggctc cctacaanna ctgggacact 480
 ggatccccga gcagtgtctna tgctggctac tgtgcaagcc tgacttcattg ctcangattc 540
 aagaaatgga angatgaatc ttg 563

<210> 1774

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 379, 448, 453, 494, 496

<223> n = A,T,C or G

<400> 1774

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
 attgcaggac cagttctaga cgtccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccaaac attgctgtna tcagtgtctac tctccttaat cagttagacc acgaaggcac 420
 cctccgcctg ggtgagcaca gacaccangt tgnctgaatt catgttctgg caatagagat 480
 ctgcatcaac ccangnctca gggctctt 507

<210> 1775

<211> 414

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 2, 367

<223> n = A,T,C or G

<400> 1775

tnaggtgaca ctatagaata ctcaagctat gcatcaagct tggtagcgag ctccgatcca 60
 ctagtaacgg ccgccagtgt gctggaattc gcccttaccg acgtcgacta tccaagatgt 120
 tgctgtcatc agtgctactc tccttaatca gtgaggccac gaaggcacc tccgcctggg 180
 tgagcacaga caccagggtt cctgaattca tgttctggca atagagatct gcatcaacca 240
 ggtctcaggg tcttcattaa agtagtagca gtaggagcga taggcattgg tgccttctgg 300
 gcagctgatt cggggattag gcagctctgt ctgggactcc tggccttggc tcagagacag 360
 gaacatnagg gaggagatca gcatgaagaa cgagttgggc tgagccatgc ttag 414

<210> 1776

<211> 556

<212> DNA

<213> Homo sapiens

<220>

05920300 "03404

<221> misc_feature
 <222> 409, 413, 476, 478, 504, 525, 527
 <223> n = A,T,C or G

<400> 1776
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga ctccatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccacac attgctgtca tcagtgtctac tctccttaat cagtgaggnc acnaaggcac 420
 cctccgcctg ggtgagcaca gacaccaggt tgctgaatt catgttcttg caatananat 480
 ctgcatcaac ccaggtctca ggncttcat taaagtagta gcagnangag cgataggcat 540
 tgggtgccttc tgggca 556

<210> 1777
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 35, 172, 181, 201, 205, 390, 396, 411, 470, 527, 537,
 544, 567, 577, 578
 <223> n = A,T,C or G

<400> 1777
 gcccttaccg acgtcgacta tngaagatgt acgcngggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120
 gttcttcatg ctgatctcct cctgatgtt cctgtctctg agccaaggcc angagtcca 180
 nacagagctg cctaattccc naatnagctg ccagaaggc accaatgcct atcgctccta 240
 ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
 catgaattca ggcaacctgg tgtctgtgct caccagggcg gaggggtgcct tcgtggcctc 360
 actgattaag gagagtagca ctgatgacan caatgnctgg attggcctcc ntgacccaaa 420
 aaagaaccgc cgctggcact ggagtagtgg gtccctggtc tcctacaagn cctgggacac 480
 tggatccccg agcagttgct aatgctggct actgtgcaag cctgacntca tgctcangat 540
 tcangaaatg gaaaggatga atcttngnag aagaagnnct ctttttgttg caag 594

<210> 1778
 <211> 585
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 22, 335, 467, 469, 498, 546, 572, 577, 585
 <223> n = A,T,C or G

<400> 1778
 gcccttaccg acgtcgacta tncaagatgt acggggacaa ggcacttacc aacagagatt 60
 gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
 tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
 cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cgctcctact 240

gctactactt taatgaagac cctgagacct gggttgatgc agatctctat tgccagaaca 300
 tgaattcagg caacctggtg tctgtgctca cccangcgga ggggtgccttc gtggcctcac 360
 tgattaagga gagtagcact gatgacagca atgtctggat tggcctccat gacccaaaaa 420
 agaaccgccc ctggcactgg agtagtgggt ccctgggtctc ctacaantnc tgggacactg 480
 gatccccgag cagtgcctnat gctggctact gtgcaagcct gacttcatgc tcaggattca 540
 agaaanggaa ggatgaatct tgtgagaaga anttctnctt tgtnn 585

<210> 1779
 <211> 72
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 44
 <223> n = A,T,C or G

<400> 1779
 gcccttaccg acgtcgacta tccaagatgt acgggggatta ggcngctctg tctgggactc 60
 ctaaacatgg ct 72

<210> 1780
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 368, 379, 382, 409, 416, 450
 <223> n = A,T,C or G

<400> 1780
 gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
 gaggagatgg tctgaactga gttggagaca tagtctagtt taatTTTTga cttcatagta 120
 attgcaggac cagttctaga catccatttt tcagcttcct ctagtTTTTg aacttgcaaa 180
 caaaggagaa cttcttctca caagattcat ctttccattt cttgaatcct gagcatgaag 240
 tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
 aggagaccag ggaccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
 caatccanac attgctgtna tnagtgttac tctccttaat cagtgaggnc acgaangcac 420
 cctccgcctg ggtgagcaca gacaccaagn tgcttgaatt catgttcttg caataga 477

<210> 1781
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 353, 406, 447, 469, 470, 502, 517, 518, 534, 540, 559
 <223> n = A,T,C or G

<400> 1781
 gcccttaccg acgtcgacta tccaagatgt acgcggggac aaggcactta ccaacagaga 60
 ttgctgattt gctccttaag caagagattc actgccgcta agcatggctc agaccaactc 120

09520300.073404

gttcttcatg ctgatctcct cctgatgtt cctgtctctg agccaaggcc aggagtccca 180
gacagagctg cctaatacccc gaatcagctg cccagaaggc atcaatgcct atcgctccta 240
ctgctactac tttaatgaag accctgagac ctgggttgat gcagatctct attgccagaa 300
catgaattca ggcaacttgg tgtctgtgct caccagggcg gaggggtgcct tcntggcctc 360
actgattaag gagagtagca ctgatgacag caatgtctgg attggnctcc atgacccaaa 420
aaagaaccgc cgctggcact ggagtantgg gtccctgggc tctacaaann ctgggacact 480
ggatcccagag cagtgtctaat gntggctact gtgcaannct gacttattgc tcangattcn 540
agaaatggaa ggatgaatnt t 561

<210> 1782

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 15, 136

<223> n = A,T,C or G

<400> 1782

gcccttanccg acgtngacta tccaagatgt acgggggacaa ggcaacttacc aacagagatt 60
gctgatttgc tccttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctnctcc ctgatgttcc tgtctctgag cc 162

<210> 1783

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 27, 43, 65, 80, 97, 104, 111, 132

<223> n = A,T,C or G

<400> 1783

gcccttaccg acgtngacta tccaagngta ctgaagatca gcnatgcaaa ctcattaggg 60
agganatggt ctgaactgan ctggagacat agcctanatt aatntttgac ntcattaggaa 120
ttgcaggacc anttctagac atg 143

<210> 1784

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 234, 245, 346, 348, 375, 384, 414, 424, 435

<223> n = A,T,C or G

<400> 1784

gcccttaccg acgtngacta tccaagatgt acgcggggga tataaagctc ctacagctac 60
ctggcctgag aagccaactc agactcagcc aacagagatt gttgatttgc ctcttaagca 120
agagattcat tgcagctcag catggctcag accagctcat acttcatgct gatctcctgc 180
ctgatgtttc tgtctcagag ccaaggccaa gagggcccaga cagagttgcc ccangcccgg 240

0990300.073104

```

atcanctgcc cagaaggcac caatgcctat cgctcctact gctactactt taatgaatac 300
cgtgagacct gggttgatgc agatctctat tgccagaaca tgaatncngg caacctggtg 360
tctgtgctca cccangccga gggngccttt gtggcctcac tgattaagga gagnggcact 420
gatnacttca atgtntggat tggcctccat gaccccaaaa agaaccgccc tg          472

```

<210> 1785

<211> 509

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 240, 302, 368, 410, 442, 476

<223> n = A,T,C or G

<400> 1785

```

gcccttaccg acgtcgacta tccaagatgt actgaagatc agcgggtgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccathtt tcagcttcct ctagtttttg aacttgcata 180
caaaggagaa cttctttctca caagattcat ctttccattt cttgaatcct gagcatgaan 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
angagaccag ggacccacta ctccagtgcc agcggcggtt cttttttggg tcatggaggc 360
caatccanac attgctgtca tcagtgtctac tctccttaat caagtgaggc cacgaaggca 420
ccctccgcct gggtagcac anacaccagg ttgcctgaat tcatgttctg gcaatngaag 480
atttgcatac acccaggcct cagggtctt          509

```

<210> 1786

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 454

<223> n = A,T,C or G

<400> 1786

```

gcccttaccg acgtcgacta tccaagatgt acgggggacaa ggcacttacc aacagagatt 60
gctgatttgc tcttaagca agagattcac tgccgctaag catggctcag accaactcgt 120
tcttcatgct gatctcctcc ctgatgttcc tgtctctgag ccaaggccag gagtcccaga 180
cagagctgcc taatccccga atcagctgcc cagaaggcac caatgcctat cactcctact 240
gctactactt taatgaagac cctgagacct gggttgatgc agatctctat tgccagaaca 300
tgaattcagg caacctggtg tctgtgctca cccatgcgga ggggtgccttc gtggcctcac 360
tgattaagga gagtagcact gatgacagca atgtctggat tggctccatg acccaaaaaa 420
gaaccgcccgc tggcactgga gtagtgggtc ctgntctcct acaaaaaactg ggacactggg 480
atccccgagc agt          493

```

<210> 1787

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

05960300-073104

<222> 15, 336, 339, 349

<223> n = A,T,C or G

<400> 1787

```
gccccttaccg acgtngacta tccaagatgt actgaagatc agcgatgcaa actcattagg 60
gaggagatgg tctgaactga gttggagaca tagtctagtt taatttttga cttcatagta 120
attgcaggac cagttctaga catccatttt tcagcttcct ctagtttttg aacttgcaaa 180
caaaggagaa cttcttctca caagattcat ccttccattt cttgaatcct gagcatgaag 240
tcaggcttgc acagtagcca gcattagcac tgctcgggga tccagtgtcc caggacttgt 300
aggagaccaa ggacccacta ctccagtgcc agcggnggnt cttttttgng tcatggaggc 360
caatccagac attgctgtca tcagtgttac tctccttaat cagtggaggcc acgaagcacc 420
ctcccctggg tgagcacaga caccaagttg cctgaattca tggtt 464
```

<210> 1788

<211> 2333

<212> DNA

<213> Homo sapiens

<400> 1788

```
acaactgtct gctgcgcccg aaaaacaagt cggtgcgctg gggacccggg gccggggccg 60
ccttactccg gcctagcccc gcggccctcg gtgcgggctc cagggcatgc tcggtacccc 120
ccgcggctcc agcccagacg ccccgccctc aggtctcggc ccccgcttgg ggccccggcc 180
gtgcggcgcg agggagcggc cggatggagc ggaggatgaa agccggatac ttggaccagc 240
aagtgccta cacttcagc agcaaatcgc ccggaaatgg gagcttgcgc gaagcgctga 300
tcggcccgt ggggaagctc atggacccgg gctccctgcc gcccctcgac tctgaagatc 360
tcttccagga tctaagtcac ttccaggaga cgtggctcgc tgaagctcag gtaccagaca 420
gtgatgagca gtttgttcc ttttccatt cagaaaacct agctttccac agccccacca 480
ccaggatcaa gaaggagccc cagagtcccc gcacagaccc ggccctgtcc tgcagcagga 540
agccgccact cccctaccac catggcgagc agtgccctta ctccagtgcc tatgaccccc 600
ccagacaaat cgccatcaag tcccctgccc ctggtgccct tggacagtcg cccctacagc 660
cctttccccg ggcagagcaa cgggaatttc tgagatcctc tggcacctcc cagccccacc 720
ctggccatgg gtacctcggg gaacatagct ccgtcttcca gcagccctg gacatttggc 780
actccttac atctcaggga gggggccggg aacccctccc agccccctac caacaccagc 840
tgtcggagcc ctgcccaccc tatccccagc agagctttaa gcaagaatac catgatcccc 900
tgtatgaaca ggcgggccag ccagccgtgg accagggtgg ggtcaatggg cacagggtacc 960
caggggcggg ggtggtgatc aaacaggaac agacggactt cgctacgac tcagatgtca 1020
ccgggtgcgc atcaatgtac ctccacacag agggcttctc tgggccctct ccagggtgacg 1080
gggccaatgg ctatggctat gagaacctc tgcgaccatt cccagatgat gtctgcgttg 1140
tccctgagaa atttgaagga gacatcaagc aggaagggtt cgggtgcattt cgagagggggc 1200
cgccctacca gcgcgggggt gccctgcagc tgtggcaatt tctggtggcc ttgctggatg 1260
acccaacaaa tgcccatttc attgcctgga cgggcccggg aatggagttc aagctcattg 1320
agcctgagga ggtcgccagg ctctggggca tccagaagaa ccggccagcc atgaattacg 1380
acaagctgag ccgctcgctc cgatactatt atgagaaagg catcatgcag aaggtggctg 1440
gtgagcggtt cgtgtacaag tttgtgtgtg agcccagggc cctcttctct ttggcccttc 1500
cggacaatca gcgtccagct ctcaaggctg agtttgaccg gcctgtcagt gaggaggaca 1560
cagtcccttt gtcccacttg gatgagagcc ccgcctacct cccagagctg gctggccccg 1620
cccagccatt tggccccaag ggtggctact ctactagcc cccagcggct gttccccctg 1680
ccgcagggtg gtgctgcctc gtgtacatat aaatgaatct ggtgttgggg aaaccttcat 1740
ctgaaaccca cagatgtctc tggggcagat ccccactgtc ctaccagttg ccctagccca 1800
gactctgagc tgctcacagg agtcattggg aaggaaaagt ggagaaatgg caagtctaga 1860
gtctcagaaa ctcccctggg ggtttcacct gggccctgga ggaattcagc tcagcttctt 1920
cctaggteca agccccccac accttttccc caaccacaga gaacaagagt ttgttctgtt 1980
ctgggggaca gagaaggcgc ttcccaactt catactggca ggagggtgag gaggttctact 2040
gagctcccca gatctccac tgccggggaga cagaagcctg gactctgccc cacgctgtgg 2100
```

```

ccctggaggg tcccggtttg tcagttcttg gtgctctgtg ttcccagagg caggcggagg 2160
ttgaagaaag gaacctggga tgaggggtgc tgggtataag cagagaggga tgggttcctg 2220
ctccaaggga ccctttgcct ttcttctgcc ctttcctagg cccaggcctg ggtttgact 2280
tccacctcca ccacatctgc cagaccttaa taaaggcccc cacttctccc att 2333

```

<210> 1789

<211> 551

<212> PRT

<213> Homo sapiens

<400> 1789

```

Asn Cys Leu Leu Arg Pro Lys Asn Lys Ser Val Arg Trp Gly Pro Gly
1      5      10      15
Ala Gly Ala Ala Leu Leu Arg Pro Ser Pro Ala Ala Leu Gly Ala Gly
20     25     30
Ser Arg Ala Cys Ser Val Pro Pro Ala Ala Pro Ala Gln Thr Pro Arg
35     40     45
Pro Gln Val Ser Ala Pro Ala Trp Gly Pro Gly Arg Ala Ala Arg Gly
50     55     60
Ser Gly Arg Met Glu Arg Arg Met Lys Ala Gly Tyr Leu Asp Gln Gln
65     70     75     80
Val Pro Tyr Thr Phe Ser Ser Lys Ser Pro Gly Asn Gly Ser Leu Arg
85     90     95
Glu Ala Leu Ile Gly Pro Leu Gly Lys Leu Met Asp Pro Gly Ser Leu
100    105    110
Pro Pro Leu Asp Ser Glu Asp Leu Phe Gln Asp Leu Ser His Phe Gln
115    120    125
Glu Thr Trp Leu Ala Glu Ala Gln Val Pro Asp Ser Asp Glu Gln Phe
130    135    140
Val Pro Asp Phe His Ser Glu Asn Leu Ala Phe His Ser Pro Thr Thr
145    150    155    160
Arg Ile Lys Lys Glu Pro Gln Ser Pro Arg Thr Asp Pro Ala Leu Ser
165    170    175
Cys Ser Arg Lys Pro Pro Leu Pro Tyr His His Gly Glu Gln Cys Leu
180    185    190
Tyr Ser Ser Ala Tyr Asp Pro Pro Arg Gln Ile Ala Ile Lys Ser Pro
195    200    205
Ala Pro Gly Ala Leu Gly Gln Ser Pro Leu Gln Pro Phe Pro Arg Ala
210    215    220
Glu Gln Arg Asn Phe Leu Arg Ser Ser Gly Thr Ser Gln Pro His Pro
225    230    235    240
Gly His Gly Tyr Leu Gly Glu His Ser Ser Val Phe Gln Gln Pro Leu
245    250    255
Asp Ile Cys His Ser Phe Thr Ser Gln Gly Gly Gly Arg Glu Pro Leu
260    265    270
Pro Ala Pro Tyr Gln His Gln Leu Ser Glu Pro Cys Pro Pro Tyr Pro
275    280    285
Gln Gln Ser Phe Lys Gln Glu Tyr His Asp Pro Leu Tyr Glu Gln Ala
290    295    300
Gly Gln Pro Ala Val Asp Gln Gly Gly Val Asn Gly His Arg Tyr Pro
305    310    315    320
Gly Ala Gly Val Val Ile Lys Gln Glu Gln Thr Asp Phe Ala Tyr Asp
325    330    335
Ser Asp Val Thr Gly Cys Ala Ser Met Tyr Leu His Thr Glu Gly Phe

```

09920300 073104

[illegible]